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REPORT
OF THE
FIRE DEPARTMENT
OF THE
CITY OF NEW YORK,
1884

HON. ALGERNON S. SULLIVAN.
PUBLIC ADMINISTRATOR.

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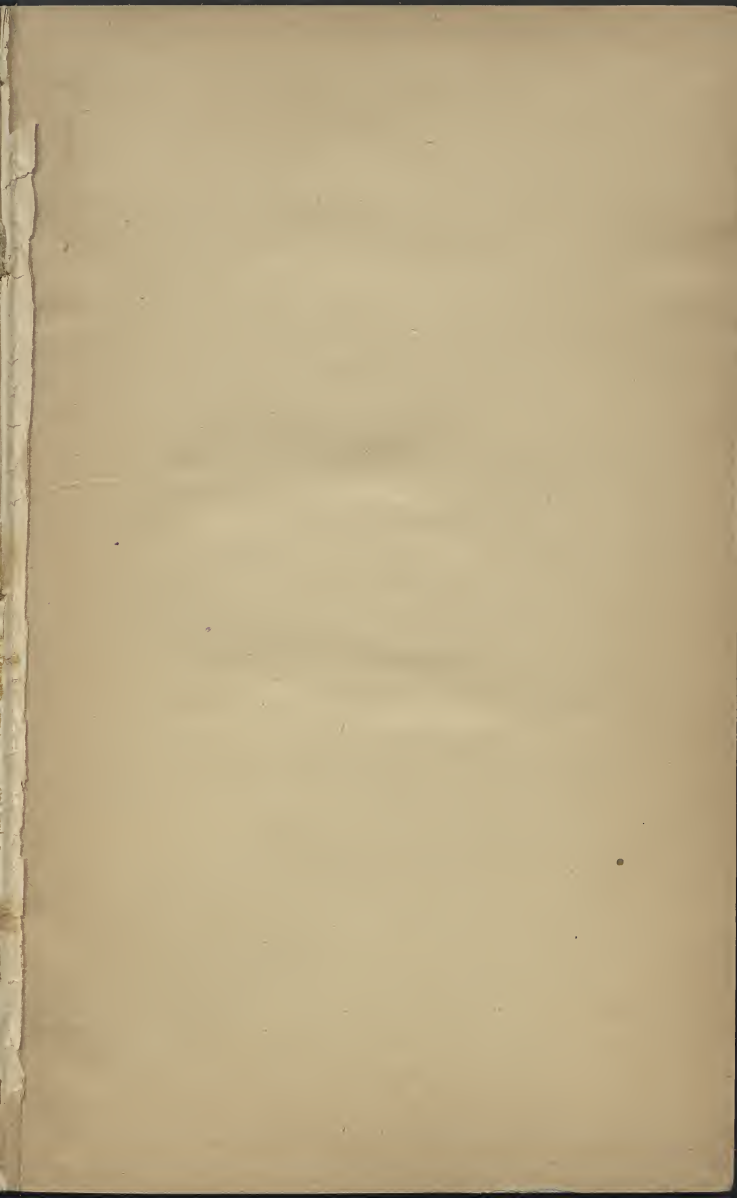
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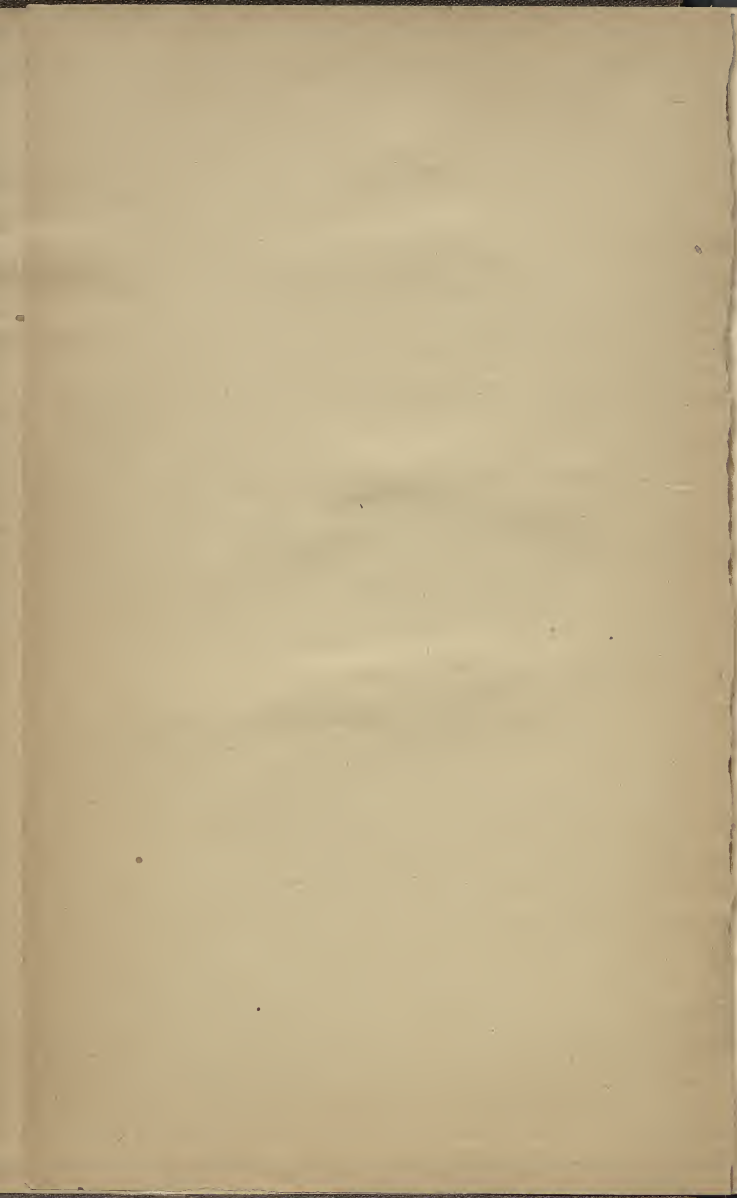
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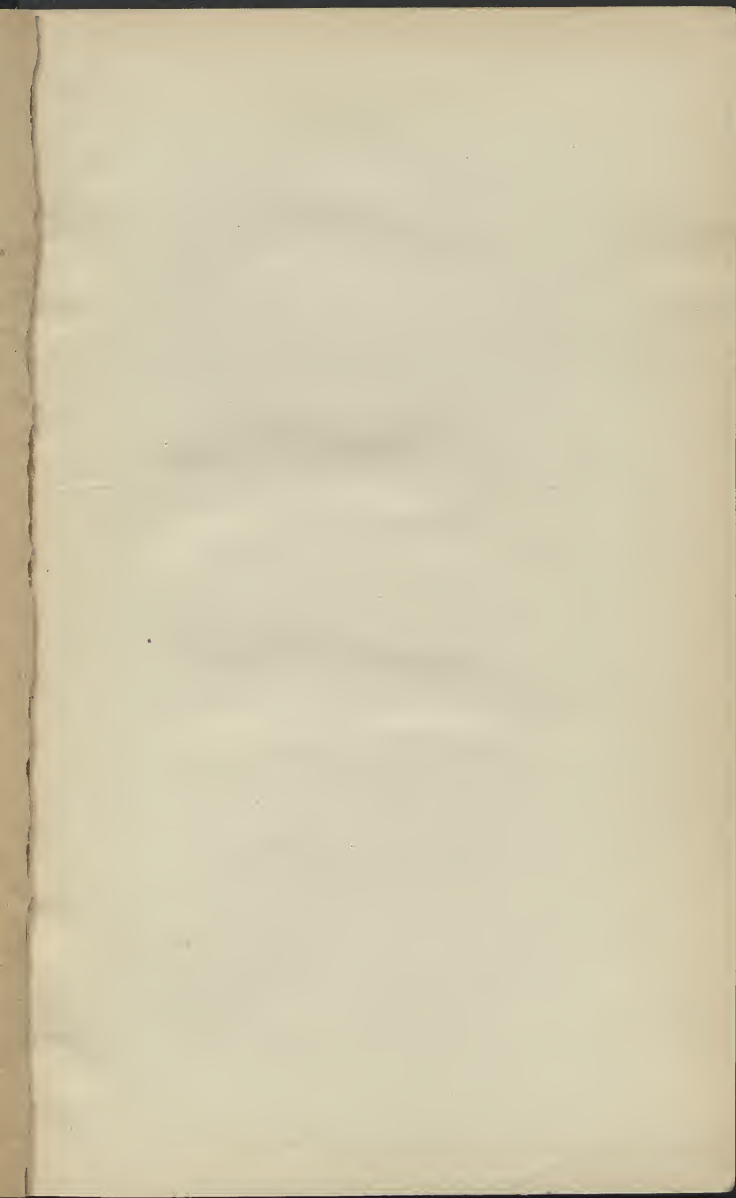
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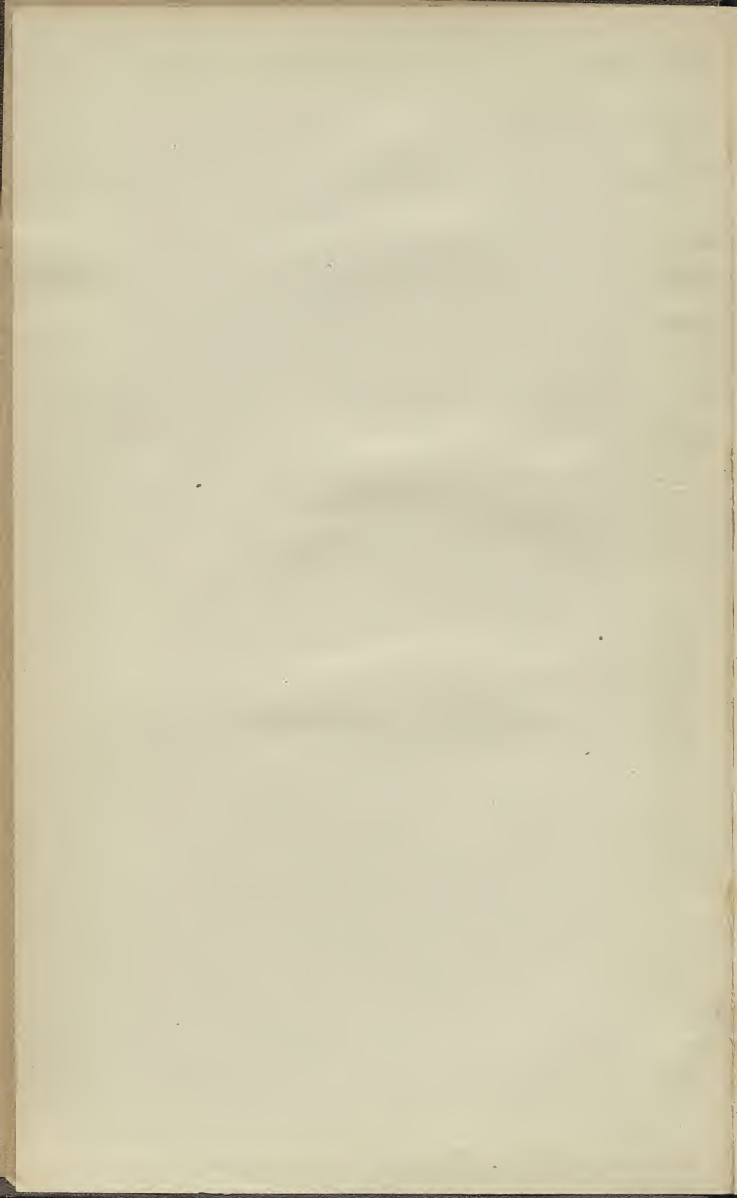
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REPORT

OF THE

FIRE DEPARTMENT

OF THE

CITY OF NEW YORK

For the Three Months and Year ending December 31, 1884.



NEW YORK:

MARTIN B. BROWN, PRINTER AND STATIONER,
Nos. 49 AND 51 PARK PLACE.

1885.



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HEADQUARTERS FIRE DEPARTMENT,
CITY OF NEW YORK,
NOS. 155 AND 157 MERCER STREET,
OFFICE BOARD OF COMMISSIONERS,
NEW YORK, February 21, 1885.

To the Honorable WILLIAM R. GRACE,
Mayor of New York:

SIR—We have the honor to submit herewith the report of the operations and actions of this Department for the quarter ending December 31, 1884, with résumé for the year ending on the same date :

Number of each Grade of Officers and Employees on December 31, 1884.

Headquarters—

Commissioners	3
Secretary and Assistant Secretary	2
Medical Officers	3
Bookkeeper and Clerks.....	8
Janitor	1
Watchmen.....	2

— 19

* Bureau of Chief of Department—Uniformed Force—

Chief of Department	1
Assistant Chief of Department and Second Assistant Chief of Department.....	2
Chiefs of Battalion.....	13
Foremen ...	76
Assistant Foremen	81
Engineers of Steamer	58

Assistant Engineers of Steamer	51	
Firemen	284	
Privates { First Grade	57	
{ Second Grade	87	
{ Third Grade	226	
	—	*936
Pilots on Fire Steamers (Engines 43 and 51), Ununiformed	4	
Stokers on Fire Steamers (Engines 43 and 51), Ununiformed	6	
Engineers on Fire Steamers (Engines 43 and 51), Ununiformed	4	
	—	14
Bureau of Inspector of Combustibles—		
Inspector of Combustibles	1	
Clerks	4	
Surveyors	3	
Oil Collectors	3	
	—	11
Bureau of Fire Marshal—		
Fire Marshal	1	
Clerks	4	
	—	5
Bureau of Inspection of Buildings—		
Inspector of Buildings	1	
Clerks	† 26	
Examiners	41	
Messengers	‡ 4	
	—	72

* Includes one Chief of Battalion, two Foremen, one Assistant Foreman, one Engineer of Steamer, eleven Firemen, and one Private relieved from service at fires, under section 14, chapter 742, Laws of 1871, as amended by chapter 119, Laws of 1879, and re-enacted by section 519, chapter 410, Laws of 1882.

† Includes three detailed for duty as assistants to the Attorney.

‡ Includes one detailed to Attorney.

Attorney to the Department..... I

Fire Alarm Telegraph—

Superintendent of Telegraph..... I

Chief Operator..... I

Operators.... 3

Assistant Operators..... 4

Clerks..... 3

Batteryman and Assistant Batteryman..... 2

Foreman..... I

Linemen..... 2

— 17

Repair Shops—

Superintendent of Repairs to Buildings..... I

Foreman I

Storekeeper..... I

Clerks..... 3

Messengers 3

Shop Engineer..... I

Chief Machinist..... I

Machinists..... 23

Machinists' Helpers..... 6

Collar-maker I

Blacksmiths..... 4

Blacksmiths' Helpers..... 6

Wheelwrights 6

Harness-makers 3

Hose Repairers..... 2

Painters..... 6

Watchmen 4

Drivers 2

— 74

Hospital Stables—

Foreman	1
Stablemen	5
	<hr/> 6
Aggregate	<hr/> 1,155

Number of Changes by Resignation, Discharge, Death, Promotion, Appointment, etc., in each Grade during the Year.

GRADE.	LOSS BY—								GAIN BY—						Relieved from Service at Fires.	
	Position Abolished.	Resignation.	Discharge.	Dismissal.	Retirement.	Promotion.	Death.	Transfer.	Total.	Appointment.	Promotion.	Restoration.	Assignment.	Employment.		Total.
Chief of Department.	1	..	..	..	1	..	1	..	..	..	1	..
Assistant Chief of Department.....	1	..	..	1	..	1	..	..	..	1	..
Second Ass't Chief of Department..	1	..	..	1	..	1	..	..	..	1	..
Chiefs of Battalion	2	1	..	..	3	..	3	..	..	..	3	..
Foremen	2	..	..	7	3	1	..	13	1	15	1	..	..	17	..
Assistant Foremen..	7	14	..	..	21	..	22	..	..	..	22	..
Engineers of Steamer	1	1	1	..	..	3	..	3	..	..	..	3	..
Assistant Engineers of Steamer.....	5	5	..	..	10	2	9	..	..	..	11	..
Firemen.....	2	15	12	2	..	31	..	..	..	..	..	3	..
Privates, First Grade	1	..	1	..	3	..	..	5	..	31	..	..	..	31	..
Privates, Second Grade.....	..	2	..	5	1	33	3	..	44	..	42	..	..	..	42	..
Privates, Third Grade.....	..	2	..	10	1	54	2	..	69	109	..	2	..	..	111	..
Engineers (Marine)	1	..	..	..	..	..	1	..	..	..	..	1	1	..
Pilots.....	*1	1	1	..	..	..	..	1	..
Stokers.....	1	..	..	..	..	..	1	..	..	..	..	1	1	..
Clerks.....	1	1	2	8	8	1	1	..	18	..
Superintendent of Horses.....	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Assistant to Fire Marshal.....	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Examiners	2	..	..	..	2	..	4	28	..	..	..	..	28	..
Messengers and Copyists	1	..	..	4	..	..	5	5	..	..	..	..	5	..

* Position vacated, appointed Private, Third Grade.

GRADE.	LOSS BY—									GAIN BY—						Relieved from Service at Fires.
	Position Abolished.	Resignation.	Discharge.	Dismissal.	Retirement.	Promotion.	Death.	Transfer.	Total.	Appointment.	Promotion.	Restoration.	Assignment.	Employment.	Total.	
Surveyors	1	..	..	1	..	..	..	..	..	..	..
Oil Collectors.....	..	3	..	..	..	..	..	..	3	3	..	..	1	..	4	..
Inspector Fire } Alarm Boxes ... }	1	..	..	1	..	..	..	..	..	..	..
Messengers	2	..	..	..	2	..	..	4	4	1	..	..	..	5	..
Janitors.....	*1	1	1	..	..	..	..	1	..
Chief Machinist.....	1	..	..	..	1	..
Machinists	1	1	..	..	1	..	..	3	5	..	..	..	..	5	..
Machinists' Helpers.	3	..	..	..	..	3	..
Blacksmiths	1	1	..	..	..	..	..	2	1	..	..	..	..	1	..
Blacksmiths' Helpers	..	2	..	..	..	..	..	..	2	2	..	..	..	..	2	..
Wheelwrights	2	2	..	..	..	..	..	4	3	..	..	..	..	3	..
Harness-makers	2	..	..	..	..	2	..
Painters	2	..	..	..	..	..	..	2	2	..	..	..	..	2	..
Watchmen	1	..	..	..	..	..	1	1	..	..	..	..	1	..
Drivers	1	..	..	..	1	..	..	2	1	..	..	..	..	1	..
Totals	2	21	10	19	40	138	11	3	244	182	138	4	2	2	328	3

* Position vacated, appointed Private, Third Grade.

Net aggregate gain, 84.

Register of Officers of the Uniformed Force on December 31.

PRESENT GRADE.	NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
		Age.	Grade.	Date.	Grades.	Dates.
1. Chief of Department.....	Shay, Charles O.....	30	Foreman	Sept 25, 1865	{ District Engineer..... { Assistant Chief of Department. Chief of Department.....	June 1, 1869 May 19, 1873 May 1, 1884
2. Asst Chief of Department....	Bonner, Hugh	27	"	Sept. 18, 1865	{ Chief of Battalion..... { 2d Asst's Chief of Department. Assistant Chief of Department.	May 21, 1873 Jan. 4, 1883 May 1, 1884
3. 2d Asst Chief of Department..	McCabe, John	26	{ Fireman	Sept. 26, 1866	{ Assistant Foreman..... { Foreman..... Chief of Battalion.....	Dec. 1, 1873 July 1, 1874 May 16, 1881
			{ Fireman	July 1, 1873	{ 2d Asst's Chief of Department..	May 1, 1884
4. Chief of Battalion	Gicquel, Benjamin A.....	24	Fireman	Oct. 16, 1865	{ Assistant Foreman..... Foreman..... District Engineer.....	Jan. 22, 1866 June 1, 1866 July 1, 1871
5. "	Rowe, William.....	24	Foreman	Oct. 20, 1865	{ Chief of Battalion.....	May 21, 1873
6. "	Fisher, John S.....	34.	Fireman	Feb. 9, 1868	Chief of Battalion	May 21, 1873
7. "	Campbell, Samuel.....	25	"	Oct. 16, 1865	{ Assistant Foreman..... { Foreman..... Chief of Battalion.....	Aug. 1, 1869 Feb. 1, 1873 Sept. 23, 1873
8. "	Reilly, Francis J.....	22	"	Sept 27, 1865	{ Assistant Foreman..... Foreman..... Chief of Battalion.....	Oct. 15, 1870 July 1, 1871 May 1, 1872
9. "	Brennan, John J.....	22	"	Dec. 1, 1865	{ Assistant Engineer of Steamer. Assistant Foreman..... Foreman..... Chief of Battalion.....	June 6, 1872 Feb. 1, 1886 Mar. 16, 1871 July 1, 1871 Mar. 1, 1873 Feb. 1, 1880

10.	"	Reeves, Michael F.....	27	"	Apr. 20, 1867	{ Assistant Foreman Foreman { Chief of Battalion Oct. 15, 1870 Aug. 1, 1871 Nov. 1, 1881
11.	"	Mahedy, Francis.....	29	"	July 3, 1872	{ Assistant Foreman Foreman { Chief of Battalion Mar. 1, 1873 Feb. 1, 1877 Nov. 1, 1881
12.	"	Gooderson, Thomas.....	22	"	Feb. 1, 1874	{ Assistant Foreman Foreman { Chief of Battalion Dec. 21, 1874 Apr. 10, 1875 Jan. 15, 1883
13.	"	Lally, Thomas.....	22	"	Aug. 15, 1870	{ Assistant Foreman Foreman { Chief of Battalion Apr. 21, 1873 Nov. 1, 1881 May 1, 1884
14.	"	Purroy, Charles D.....	24	Private	Jan. 22, 1880	{ Fireman Assistant Foreman Foreman { Chief of Battalion Apr. 1, 1880 Apr. 5, 1881 Dec. 31, 1882 May 1, 1884
15.	"	McGill, Joseph F.....	23	Fireman.....	Mar. 21, 1866	{ Assistant Foreman Foreman { Chief of Battalion Apr. 1, 1870 Oct. 1, 1872 Aug. 12, 1884
1.	Foreman.....	Poynton, Joseph.....	26	Foreman.....	Sept. 8, 1865	.....
2.	"	Spence, Arnot.....	31	"	Oct. 20, 1865	.....
3.	"	Walton, James.....	31	"	Dec. 1, 1865	.....
4.	"	McNeill, Alexander.....	29	Assistant Foreman.....	Oct. 16, 1865	Foreman June 1, 1868
5.	"	Williams, Robert.....	40	Fireman.....	Dec. 1, 1865	{ Assistant Foreman Foreman June 1, 1868 Dec. 15, 1868
6.	"	Donohue, Patrick.....	26	"	Sept. 27, 1865	{ Assistant Foreman Foreman June 1, 1868 Feb. 1, 1869
7.	"	Best, Samuel.....	32	"	June 14, 1866	{ Assistant Foreman Foreman Apr. 17, 1867 Mar. 1, 1869
8.	"	Shaw, William.....	27	Assistant Foreman.....	Oct. 4, 1865	Foreman May 1, 1869

* Resigned, November 12, 1867.

† Reduced to Fireman, April 1, 1872.

PRESENT GRADE.	NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
		Age.	Grade.	Date.	Grades.	Dates.
9. Foreman.....	McCormick, James A.	27	Fireman.....	Oct. 6, 1865	{ Assistant Foreman..... { Foreman.....	June 23, 1863 June 15, 1869
10. "	Castles, John	27	"	July 27, 1866	{ Assistant Foreman..... { Foreman	Apr. 1, 1869 July 15, 1869
11. "	Kehoe, John H.	23	"	Oct. 20, 1865	{ Assistant Foreman..... { Foreman.....	June 15, 1869 Dec. 1, 1869
12. "	McLaughlin, William	29	"	May 22, 1863	{ Assistant Foreman..... { Foreman.....	June 1, 1869 Mar. 1, 1870
13. "	Erb, George W.	23	"	Oct. 11, 1865	{ Assistant Foreman..... { Foreman.....	Feb. 1, 1869 July 25, 1870
14. "	Hayes, William F.	27	{ * Fireman	July 31, 1865	{ Assistant Foreman..... { Foreman.....	Oct. 1, 1869 Oct. 15, 1870
15. "	Landers, William H.	41	Fireman	April 1, 1866	{ Assistant Foreman..... { Foreman	Nov. 17, 1865 Dec. 24, 1870
16. "	Wolff, Charles A.	33	"	Sept. 29, 1865	{ Assistant Foreman..... { Foreman	Aug. 1, 1870 July 1, 1871
17. "	Meagher, Daniel J.	23	"	Mar. 21, 1866	{ Assistant Foreman..... { Foreman	Dec. 24, 1870 Nov. 1, 1871
18. "	Kelly, Charles L.	24	"	Oct. 6, 1865	{ Assistant Foreman..... { Foreman.....	Mar. 1, 1870 Jan. 1, 1872
19. "	Vetter, Peter, Jr.	26	"	Sept. 27, 1865	{ Assistant Foreman..... { Foreman.....	June 1, 1868 May 1, 1872
20. "	Cowie, John A.	30	Assistant Foreman	Oct. 27, 1865	{ Assistant Foreman..... { Foreman	Mar. 1, 1873 Mar. 1, 1873
21. "	Jones, Henry M.	27	"	Sept. 14, 1865	"	Mar. 1, 1873 Jan. 1, 1870
22. "	Ward, John.....	26	Fireman.....	Sept. 27, 1865	{ Assistant Foreman..... { Foreman	Mar. 1, 1873 Mar. 1, 1873

23.	"	Sattler, John.....	29	"	Oct. 20, 1865	{ Assistant Foreman..... Foreman.....	July 1, 1871 Mar. 1, 1873
24.	"	Sheridan, Philip.....	23	"	Oct. 20, 1865	{ Assistant Foreman..... Foreman.....	July 1, 1871 June 16, 1873
25.	"	Connor, David.....	25	"	July 31, 1865	{ Assistant Foreman..... Foreman.....	Nov. 1, 1871 June 16, 1873
26.	"	King, Frank.....	27	"	Jan. 15, 1868	{ Assistant Foreman..... Foreman.....	Nov. 1, 1871 June 16, 1873
27.	"	Welsh, John.....	23	"	Oct. 11, 1865	{ Engineer of Steamer..... Assistant Foreman..... Foreman.....	Aug. 1, 1866 Feb. 15, 1872 June 16, 1873
28.	"	Chambers, Charles.....	31	Engineer of Steamer.....	Sept. 14, 1865	{ Assistant Foreman..... Foreman.....	July 1, 1873 Dec. 1, 1873
29.	"	Perley, Hamilton F.....	21	{ Assistant Engineer of Steamer.....}	Mar. 15, 1873	{ Assistant Foreman..... Foreman.....	Jan. 15, 1874 Aug. 1, 1874
30.	"	Judge, Thomas.....	32	Fireman.....	June 29, 1866	{ Assistant Foreman..... Foreman.....	Oct. 18, 1872 Dec. 21, 1874
31.	"	Monroe, James H.....	29	"	Oct. 16, 1865	{ District Engineer..... Chief of Battalion..... Foreman.....	Apr. 17, 1867 July 1, 1871 May 21, 1873 Feb. 15, 1875
32.	"	Van Horn, Thomas J.....	26	"	May 6, 1871	{ Assistant Foreman..... Foreman.....	Jan. 15, 1874 Mar. 1, 1875
33.	"	Hamblett, Roger E.....	21	"	Sept. 11, 1865	{ Assistant Foreman..... Foreman.....	June 1, 1869 Mar. 1, 1873
34.	"	Kitson, Hugh.....	28	"	Sept. 25, 1865	{ Assistant Foreman..... Foreman.....	July 1, 1873 Mar. 1, 1875
35.	"	Eagan, John J.....	25	"	Sept. 11, 1865	{ Assistant Foreman..... Foreman.....	Oct. 15, 1870 Aug. 20, 1875
36.	"	Fisher, Isaac.....	22	{ Engineer of Steamer..... Assistant Engineer of Steamer.....}	Oct. 1, 1869 Nov. 1, 1872	{ Engineer of Steamer..... Assistant Foreman..... Foreman.....	July 1, 1873 Apr. 15, 1874 Dec. 2, 1875

* Resigned, January 15, 1866.

† Reduced to Foreman, February 15, 1875.

‡ Resigned, May 21, 1872.

PRESENT GRADE.	NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
		Age.	Grade.	Date.	Grades.	Dates.
37. Foreman	Wray, Robert.....	23	Fireman.....	Oct. 16, 1865	{ Assistant Engineer of Steamer. Assistant Foreman..... Foreman.....	June 1, 1871 Sept. 1, 1874 Mar. 12, 1877
38. "	Bradley, Daniel.....	30	"	Mar. 1, 1866	Assistant Foreman..... Foreman.....	Mar. 1, 1873 Apr. 3, 1878
39. "	Cashman, John J.....	22	"	Oct. 17, 1866	Assistant Foreman..... Foreman.....	Feb. 15, 1872 Apr. 27, 1879
40. "	Bermingham, William.....	34	"	Dec. 15, 1873	{ Assistant Foreman..... Foreman	Oct. 1, 1875 Dec. 8, 1879
41. "	Farrell, Robert R.....	26	{ * Assistant Engineer of Steamer	Nov. 1, 1871	.....	.....
			{ Assistant Engineer of Steamer	Mar. 15, 1873	Assistant Foreman..... Foreman	Jan. 15, 1874 Feb. 1, 1880
42. "	Conlon, Thomas	23	Fireman	June 10, 1870	{ Assistant Foreman..... Foreman.....	May 15, 1875 Feb. 1, 1880
43. "	Golden, Hugh J.....	27	"	Feb. 1, 1874	{ Assistant Foreman..... Foreman	Apr. 7, 1876 Feb. 1, 1880
44. "	Fleming, William H.....	22	"	Oct. 17, 1870	{ Assistant Foreman..... Foreman	Aug. 2, 1877 Mar. 17, 1880
45. "	Shay, Charles H.....	21	Private	Nov. 21, 1877	{ Fireman..... Assistant Engineer of Steamer. Engineer of Steamer..... Assistant Foreman..... Foreman	Apr. 1, 1878 Apr. 1, 1878 Apr. 4, 1879 Dec. 16, 1879 June 1, 1880
46. "	Perley, Charles H.....	22	"	Jan. 17, 1879	{ Assistant Foreman..... Foreman	Feb. 1, 1879 Aug. 25, 1880
47. "	O'Brien, Edward.....	25	Fireman	July 1, 1869	{ Assistant Foreman..... Foreman	Mar. 1, 1873 Sept. 17, 1880

48.	"	Brown, William W.	23	"	June 15, 1866	Assistant Foreman.....	Dec. 1, 1873 Apr. 1, 1881
49.	"	Byrne, Joseph P.	28	"	Oct. 1, 1871	Assistant Foreman.....	May 1, 1875 July 1, 1881
50.	"	Dwyer, John	27	"	Oct. 16, 1873	Assistant Foreman.....	Dec. 18, 1888 Oct. 17, 1881
51.	"	Duane, William	28	"	Aug. 15, 1868	Assistant Foreman.....	July 20, 1871 Nov. 1, 1881
52.	"	Colby, William J.	30	"	July 7, 1875	Assistant Foreman.....	June 1, 1876 Nov. 1, 1881
53.	"	Searle, George S.	21	"	Nov. 15, 1874	Assistant Foreman.....	July 22, 1880 Nov. 18, 1881
54.	"	Shaw, Joseph	28	{ † Engineer of Steamer. Assistant Engineer of Steamer.....}	Oct. 13, 1865 Feb. 1, 1874	{ Engineer of Steamer..... Assistant Foreman..... Foreman.....}	Mar. 15, 1874 Aug. 8, 1878 Dec. 31, 1882
55.	"	Cusick, George	24	Fireman	Apr. 22, 1869	Assistant Foreman.....	May 15, 1875 Apr. 18, 1883
56.	"	Dusenberre, Austin C.	26	"	Sept. 15, 1873	Assistant Foreman.....	Feb. 1, 1880 Apr. 18, 1883
57.	"	Short, Peter H.	26	"	May 1, 1875	Assistant Foreman.....	June 1, 1880 Apr. 18, 1883
58.	"	McAdams, Henry W.	23	"	Sept. 18, 1874	Assistant Foreman.....	Nov. 1, 1881 May 23, 1883
59.	"	Gleason, Luke	25	{ † Fireman Fireman.....}	Jan. 1, 1869 Dec. 1, 1872	{ Fireman..... Assistant Foreman..... Foreman.....}	..... Apr. 8, 1880 July 1, 1883
60.	"	Murray, Henry	24	{ § Fireman Fireman.....}	Oct. 13, 1865 Dec. 17, 1874	{ Fireman..... Assistant Foreman..... Foreman.....}	..... Oct. 1, 1877 Jan. 15, 1884

* Resigned, May 21, 1872.

† Resigned, October 16, 1871.

‡ Resigned, June 1, 1872.

§ Resigned, March 31, 1869.

PRESENT GRADE.	NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
		Age.	Grade.	Date.	Grades.	Dates.
61. Foreman	Gooderson, Frederick W., Jr.	23	Private	Oct. 13, 1879	{ Assistant Engineer of Steamer. { Assistant Foreman	Apr. 1, 1880 May 23, 1883 May 3, 1884
62. "	McCutchen, James	31	Fireman	Sept. 18, 1865	{ Assistant Foreman	Mar. 1, 1869 May 20, 1884
63. "	Hart, Michael	28	"	Oct. 20, 1865	{ Assistant Foreman	July 1, 1871 May 20, 1884
64. "	Conolly, Patrick J.	28	"	Jan. 15, 1873	{ Assistant Foreman	Nov. 16, 1881 May 20, 1884
65. "	McCabe, Hugh D.	25	Private	Feb. 9, 1882	{ Assistant Foreman	July 22, 1883 May 20, 1884
66. "	Shea, Joseph	29	Foreman	May 20, 1884	.....	.....
67. "	Cogrove, James	21	Private	Jan. 1, 1878	{ Assistant Engineer of Steamer. { Assistant Foreman	Mar. 21, 1880 July 1, 1881 June 6, 1884
68. "	Falvey, John	21	{ Fireman	Mar. 11, 1871	* Assistant Foreman	Feb. 15, 1872
69. "	McDonald, Alexander	28	{ "	July 18, 1874	{ Assistant Foreman	Nov. 1, 1881
70. "	Scannell, Edward A.	24	{ Fireman	July 31, 1865	.....	Aug. 1, 1884
71. "	Binns, John	25	{ "	June 12, 1873	{ Assistant Foreman	Jan. 7, 1876 Aug. 7, 1884
72. "	Golden, John J.	27	Private	Apr. 7, 1881	{ Assistant Foreman	May 20, 1884 Aug. 16, 1884
			"	Mar. 22, 1882	{ Assistant Foreman	May 20, 1884 Aug. 16, 1884
			Fireman	Dec. 18, 1874	{ Assistant Foreman	Feb. 1, 1883 Aug. 22, 1884

73.	"	Barry, James.	24	{ † Hoseman..... { Fireman.....	Jan. 20, 1874 Feb. 12, 1876	{ Assistant Foreman..... { Foreman.....	May 20, 1884 Aug. 22, 1884
74.	"	Sullivan, Thomas	26	{ § District Engineer..... { Foreman.....	Sept. 6, 1865 Aug. 23, 1884	.....	.....
1. Assistant Foreman.....		Schuck, Henry.	33	Fireman.....	Sept. 2, 1865	Assistant Foreman.....	Nov. 22, 1865
2.	"	Smith, Edward S.	23	"	Sept. 11, 1865	"	Dec. 15, 1868
3.	"	Heavy, James.	25	"	Oct. 20, 1865	"	Dec. 15, 1868
4.	"	Hicks, Matthew	21	"	Aug. 12, 1868	"	Oct. 15, 1870
5.	"	Riordan, John.	21	"	Sept. 20, 1866	"	Nov. 1, 1871
6.	"	Lynar, Andrew	28	"	Jan. 23, 1868	"	Feb. 15, 1872
7.	"	Brennan, Terrence P.	25	"	Oct. 6, 1865	"	July 1, 1872
8.	"	McNamee, Charles.	28	"	July 1, 1869	"	Mar. 1, 1873
9.	"	Jones, Walter H.	25	"	Oct. 21, 1870	"	Mar. 1, 1873
10.	"	Conaghan, Patrick.	23	"	Oct. 20, 1865	"	Apr. 21, 1873
11.	"	Braisted, William C.	25	"	July 3, 1872	"	June 16, 1873
12.	"	Campbell, James A.	27	"	Sept. 29, 1865	"	Aug. 15, 1873
13.	"	Moore, Edward S.	31	"	Oct. 16, 1865	{ † Assistant Foreman..... { Assistant Foreman.....	Dec. 1, 1865 Nov. 3, 1873
14.	"	Louis, Albert F.	24	"	Sept. 14, 1865	{ Assistant Engineer of Steamer. { Engineer of Steamer..... { Assistant Foreman.....	Apr. 1, 1871 Sept. 11, 1872 Jan. 15, 1874
15.	"	Burnett, Henry.	33	"	Sept. 22, 1865	Assistant Foreman.....	Jan. 15, 1874
16.	"	Siegmann, Louis L.	24	"	Feb. 8, 1871	"	Jan. 15, 1874
17.	"	Cartright, Stephen.	27	"	Aug. 1, 1871	"	May 15, 1874

* Dismissed, June 19, 1874.

§ Dropped, May 21, 1873.

† Resigned, June 8, 1872.

‡ Resigned, July 1, 1875.
|| Reduced to ranks, May 9, 1866.

PRESENT GRADE.	NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
		Age.	Grade.	Date.	Grades.	Dates.
18. Assistant Foreman.....	Flock, William F.....	27	Assistant Foreman	Sept. 8, 1865	* Foreman.....	Oct. 15, 1870
19. ".....	Neubauer, Michael.....	24	Fireman.....	Oct. 1, 1872	Assistant Foreman.....	Oct. 19, 1874
20. ".....	Carey, Francis.....	25	"	June 4, 1868	"	Dec. 21, 1874
21. ".....	Cook, Martin.....	23	Hoseman.....	Jan. 1, 1870	{ Assistant Engineer of Steamer..... Engineer of Steamer..... Assistant Foreman..... † Foreman.....	July 24, 1871 Jan. 13, 1874 Jan. 15, 1874 Mar. 1, 1875
22. ".....	Wright, Augustus H.....	29	Fireman.....	May 5, 1875	Assistant Foreman.....	May 1, 1876
23. ".....	Kruger, Charles W., Jr.....	22	{ Assistant Engineer of Steamer.....}	July 3, 1872	"	Sept. 27, 1877
24. ".....	Kenehan, Richard F.....	30	Fireman	July 1, 1875	"	Apr. 3, 1878
25. ".....	Finn, John.....	29	"	Sept. 26, 1866	"	Aug. 21, 1878
26. ".....	McCarthy, Patrick.....	25	"	June 15, 1872	"	Apr. 27, 1879
27. ".....	Pesca, Oscar A.....	30	"	Sept. 14, 1865	{ Assistant Foreman..... Assistant Foreman.....	Jan. 7, 1876 June 21, 1879
28. ".....	O'Rourke, Owen.....	26	{ Fireman..... Fireman.....	Sept. 22, 1865 Feb. 12, 1875	Assistant Foreman.....	.....
29. ".....	Callaghan, Daniel H.....	26	"	Mar. 1, 1873	"	July 10, 1879
30. ".....	Kenny, Thomas A.....	29	"	Aug. 4, 1876	"	July 10, 1879
31. ".....	Browning, William.....	21	{ Fireman	Apr. 23, 1869	{ Assistant Engineer of Steamer..... Engineer of Steamer..... Assistant Foreman.....	June 1, 1871 Aug. 1, 1874 Feb. 1, 1880
32. ".....	Cony, Matthew D.....	25	Fireman	Sept. 1, 1872	Assistant Foreman.....	Feb. 1, 1880
33. ".....	O'Reilly, Patrick H.....	23	"	Aug. 21, 1875	"	July 20, 1880
34. ".....	Kerrigan, Francis.....	29	"	May 1, 1875	"	Sept. 16, 1880

35.	"	Teal, Henry.....	21	"	Aug. 1, 1871	"	Sept. 22, 1880
36.	"	Case, Wright, Jr.	25	"	May 1, 1875	"	Nov. 12, 1880
37.	"	Ahearn, Thomas I.....	23	"	May 9, 1873	"	Apr. 1, 1881
38.	"	McCarthy, John.....	29	"	Sept. 15, 1871	"	June 9, 1881
39.	"	Tully, Edward G.....	29	Private	May 13, 1880	"	July 1, 1881
40.	"	Moss, Joseph.....	28	Fireman	Dec. 1, 1871	"	Nov. 1, 1881
41.	"	Gerity, James J.....	24	"	Feb. 1, 1874	"	Nov. 1, 1881
42.	"	Kelly, Thomas.....	28	** Fireman.	Sept. 18, 1865	Assistant Foreman.	Nov. 25, 1881
43.	"	Hyde, David.....	27	"	June 15, 1867	"	Mar. 22, 1882
44.	"	Farley, Thomas.....	25	†† Fireman	May 15, 1868	Assistant Foreman.	Apr. 10, 1882
45.	"	Murphy, John.....	24	"	Oct. 17, 1870	"	Aug. 7, 1882
46.	"	Aiken, Alexander D.....	24	"	July 19, 1871	"	Dec. 1, 1882
47.	"	McAvoy, Michael.....	25	"	Dec. 1, 1865	"	Dec. 31, 1882
48.	"	Barber, John.....	26	"	Nov. 3, 1870	"	Feb. 1, 1883
49.	"	White, John H.....	30	"	Jan. 2, 1875	"	Feb. 1, 1883
50.	"	Daniels, Clement L.....	25	"	Oct. 11, 1873	"	Mar. 4, 1883
51.	"	Ryan, Ed. F.....	22	"	July 3, 1872	"	Mar. 6, 1883
52.	"	Murphy, Lawrence.....	24	"	June 12, 1871	"	May 17, 1883
53.	"	Kennedy, Mathias T.....	28	Private	Dec. 21, 1877	{ Assistant Engineer of Steamer.	Nov. 21, 1883
54.	"	Margison, Charles.....	27	"	Jan. 22, 1877	{ Assistant Foreman.	May 23, 1883
						{ Assistant Engineer of Steamer.	May 1, 1879
						{ Assistant Foreman.	May 23, 1883

* Reduced to Assistant Foreman, June 24, 1874. † Reduced to Assistant Foreman, December 2, 1873.
 ‡ Discharged while detailed as carpenter, Jan. 1, 1875. § Resigned, Sept. 16, 1872. ** Resigned, Sept. 29, 1865. †† Dismissed, Aug. 10, 1869.

PRESENT GRADE.	NAME.	ORIGINAL APPOINTMENT.			PROMOTION.	
		Age.	Grade.	Date.	Grades.	Dates.
55. Assistant Foreman.....	Jones, William H.....	29	Ladderman.....	Sept. 25, 1875	{ Private..... Assistant Foreman.....	Apr. 1, 1878 May 23, 1883
56. ".....	Needham, John T.....	27	Private.....	Jan. 1, 1881	Assistant Foreman.....	May 23, 1883
57. ".....	Murphy, John McL.....	23	".....	Nov. 21, 1881	".....	May 23, 1883
58. ".....	O'Hearn, Thomas.....	29	Fireman.....	June 12, 1875	".....	July 1, 1883
59. ".....	Hopper, Charles.....	25	* Fireman..... Fireman.....	Mar. 2, 1870 Feb. 12, 1876	Assistant Foreman.....	Aug. 1, 1883
60. ".....	Meehan, Edward.....	24	".....	July 23, 1873	".....	Aug. 13, 1883
61. ".....	Beckler, Jacob.....	24	".....	Mar. 15, 1871	".....	Nov. 1, 1883
62. ".....	Autenreith, Charles J.....	25	Private.....	Feb. 12, 1881	{ Assistant Engineer of Steamer.. Assistant Foreman.....	Dec. 17, 1881 May 20, 1884
63. ".....	Hearn, John.....	24	Fireman.....	Sept. 11, 1865	Assistant Foreman.....	May 20, 1884
64. ".....	Head, Thomas.....	26	".....	July 15, 1869	".....	May 20, 1884
65. ".....	Touhey, Martin J.....	23	".....	Mar. 15, 1872	".....	May 20, 1884
66. ".....	Frazer, William D.....	24	".....	July 3, 1872	".....	May 20, 1884
67. ".....	Donohue, Malachi.....	24	".....	June 10, 1870 Dec. 1, 1873	"..... ".....	Oct. 17, 1872 May 20, 1884
68. ".....	Gaffney, Andrew.....	27	".....	Dec. 1, 1873	".....	May 20, 1884
69. ".....	Feris, William R.....	27	".....	Sept. 7, 1874	".....	May 20, 1884
70. ".....	Reed, Samuel.....	25	".....	Sept. 1, 1875	".....	May 20, 1884
71. ".....	Quirk, William.....	27	Private.....	May 19, 1881	".....	May 20, 1884

72.	"	Hennessey, William.....	30	† Fireman Private.....	Dec. 21, 1874 Jan. 18, 1882	..... Assistant Foreman.....	..... May 20, 1884
73.	"	Leonard, John H.....	32	"	Feb. 1, 1877	{ Fireman..... Assistant Engineer of Steamer.. Engineer of Steamer..... Assistant Foreman.....	Apr. 13, 1877 Apr. 20, 1877 Oct. 4, 1878 Aug. 16, 1884
74.	"	Lawler, Daniel.....	24	Fireman.....	May 1, 1875	Assistant Foreman.....	Aug. 16, 1884
75.	"	O'Grady, Joseph.....	27	Private.....	Nov. 24, 1877	{ Assistant Engineer of Steamer.. Assistant Foreman.....	Oct. 20, 1886 Aug. 16, 1884
76.	"	Croker, Edward F.....	21	"	June 22, 1884	Assistant Foreman.....	Aug. 16, 1884
77.	"	Reilly, Bernard J.....	27	Fireman.....	May 1, 1875	"	Aug. 21, 1884
78.	"	Reilly, Michael A.....	22	Private.....	Apr. 4, 1881	"	Aug. 21, 1884
79.	"	McNamara, Michael J.....	25	Fireman.....	Apr. 21, 1873	"	Aug. 27, 1884
80.	"	Kinsella, Henry.....	27	Private.....	Feb. 3, 1883	"	Aug. 27, 1884

* Resigned, August 1, 1871.

† Dismissed, November 23, 1873.

‡ Dismissed, October 19, 1876.

*Year of Entry into the Uniformed Force of Officers and
Members in Active Service on December 31.*

APPOINTED IN—	OFFICERS.	ENGINEERS AND ASSISTANT ENGINEERS.	FIREMEN AND PRIVATES.	TOTAL.
1865	52	16	46	114
1866	12	5	18	35
1867	1	2	3	6
1868	9	6	12	27
1869	6	7	17	30
1870	5	1	19	25
1871	11	4	12	27
1872	10	3	25	38
1873	15	8	57	80
1874	9	8	45	62
1875	13	9	26	48
1876	3	1	9	13
1877	5	13	6	24
1878	1	1	3	5
1879	2	6	8	16
1880	2	6	35	43
1881	6	4	42	52
1882	3	3	59	65
1883	1	1	97	99
1884	3	4	103	110
Total.....	169	108	642	919

Alterations, Amendments and Additions to the Rules and Regulations.

MARCH 15, 1884.

(General Orders No. 2.)

A portable water-tank to furnish water from the rivers to the land engines, after being supplied therewith by the fire-boats and a four-wheel hose-tender with 600 feet of new rubber $3\frac{1}{4}$ -inch hose, will be put in service on the 17th instant, and pending the preparation of the quarters of Engine Company No. 20, where they are to be permanently located, they will be temporarily placed in the quarters of Engine Company No. 27. The following rules will govern their use :

1. At any fire occurring within the distance of a half mile from the river-fronts where there is either a failure or scarcity of water, the officer will, if in his discretion he deem it advisable, call for the tank, the tender and a fire-boat by means of the special call 18-1, followed first by the number of the station at which the tank is required to be placed, and second, by the number of the station on the river-front nearest to which the fire-boat is required to report, as for example : the fire being at Worth street and West Broadway, the call will be 18-1 (the preliminary signal or notice that the tank, tender and fire-boat will be required), 82 (the station at Washington and Jay streets, where the tank is to be placed), and 81 (the station at West and Harrison streets, where the fire-boat is to report).

2. When the special call is sent, the officer in command will at once dispatch a disengaged team of horses from among those at the fire, or elsewhere available, with a detail of two men, to bring the tank to the point designated.

3. Upon the receipt of the special call, the tender designated to co-operate will immediately proceed in advance of the tank to the point indicated for the latter, and stretch its hose by the nearest and best route towards the point on the river-front where the fire-boat lands.

4. The fire-boat, at the time designated to respond to alarms from the last station indicated in the call, shall at once proceed to the nearest available landing place thereto, and immediately stretch sufficient hose to connect with the hose from the tank.

5. When the officer in command determines upon sending the call he shall at once make all necessary arrangements by detailing officers and men, obtaining additional hose, and making such other dispositions as will secure prompt connection between the fire-boat, tank and land engines, and guard against interference with and damage to the lines of hose.

6. Nothing contained in section I of this order shall be construed to prevent the use of the tank, tender and fire-boat at a distance greater than a half mile from either river, or in any other way that may be deemed proper by the officer in command at any fire.

MARCH 31, 1884.

(General Orders No. 3.)

Paragraph LI. of General Orders No. 26, Office Board of Commissioners, series of 1881, is hereby countermanded and the following is substituted therefor :

LI.—The Automatic Signal Telegraph Company is authorized to transmit to the Central Office of this Department alarms for fire received from stations in connection with their system, in the following manner, viz.:

First, the preliminary signal 2-2-2, which is to indicate that an automatic signal is about to be received, then the number of the circuit, followed by the number of the building. For example, 2-2-2—5—2—9 ("Automatic Signal for Circuit 5, Station 29"), three rounds of which will be transmitted to the Central Office upon Circuit No. 74. Upon receipt of a signal of the above character the operator will transmit one round of the same upon the combination circuits in the usual manner, followed by one round upon the gong circuits. In the event of a fire signal being received from a street box simultaneously

with one from the Automatic Company, preference must in all cases be given to the street box signal, and should it appear that both signals are for one and the same fire, then the sending of the automatic signal may be dispensed with. On the other hand, if in the judgment of the operator the two signals are for different fires, he will transmit the automatic signal in the manner specified as soon as the circuits are available for the purpose. Should an automatic signal be received and the company or companies due thereto be out of quarters, the operator will transmit a special automatic call for the next nearest engine company to proceed to the station indicated in the following manner, viz.: Nineteen (19) continuous strokes followed by the number of the company, the number of the circuit, and the number of the station. Upon the receipt of an automatic alarm or special call, commanding officers will consult the Automatic Assignment book, and on completion of the signal upon the gongs the company or companies assigned to the station will proceed thereto in the usual manner.

MAY 20, 1884.

(General Orders No. 4.)

I.—It having been found that the badges issued for admission within the fire lines only were used for a variety of unauthorized purposes, the holders were notified to surrender them on or before April 30, 1884. A new badge was provided, and the Police Department, at the request of the Board, issued the following instructions :

OFFICE OF THE SUPERINTENDENT OF POLICE
OF THE CITY OF NEW YORK,
No. 300 Mulberry Street.

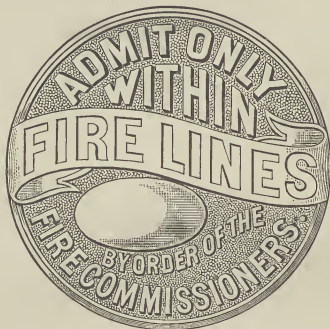
NEW YORK, April 18, 1884.

General Order No. 261.

Captain.....
.....Precinct.

On and after May 1, 1884, you will exclude from within the Police lines at fires, any and all persons who do not prominently

display a badge exactly like the design herewith, except the Mayor, Aldermen, the heads of all the Municipal Departments, the uniformed firemen and insurance patrolmen.



You will also, on and after May 1, 1884, take any and all badges formerly issued by the Fire Department from all persons attempting to make use of or displaying them, and send such badges to the Central Office. Attention is called to the following provisions of law :

CHAPTER 410 (CONSOLIDATION ACT), LAWS OF 1882.

SEC. 443. It shall be the duty of the Fire Department and of the Police Board, their respective officers and men, to co-operate together in all proper ways, and the said board and department may respectively provide for protection against fire, and for the arrest of all persons who may, at or near any fire, commit or attempt to commit any crime against the laws of this State, or violate any rule or regulation of said Board or Department.

SEC. 451. During the actual prevalence of any fire, it shall and may be lawful for the officers of the Police and Fire Depart-

ments to remove or cause to be removed and kept away from the vicinity of such fire all idle and suspicious persons, and all persons not fit to be employed, or not actually and usefully employed, in their judgment, in aiding the extinguishment of such fire, or in the preservation of property in the vicinity thereof.

You will instruct the members of your command in the duties required of them under this order, so that its provisions may be strictly enforced.

The framed copy of this order you will cause to be hung up in the sitting-room of your station-house.

THOMAS W. THORNE,
Acting Superintendent.

.....
Inspector..... District.

II.—All officers, members and employees of this Department are hereby directed to aid in the enforcement of the above order, by calling the attention of the Police force to all infractions of its provisions.

III.—The new badge is, as is distinctly stated upon its face, to “admit only within fire lines,” and cannot legitimately be used to admit to buildings or premises whether in or outside of the fire lines, or for any other purpose by any one than the purpose for which it was issued.

IV.—The badges are issued upon payment of a deposit of two dollars for each one, as follows :

To each local fire insurance company not more than three.

To each principal agency in this city of fire insurance companies located outside of the city, whether it be an agency of one or more companies, not more than two.

To each newspaper published in the city, or press association located therein, such a number as the Board may determine.

To such public officials and others as the Board may direct.

V.—The badges will also be issued, without deposit, to the officers of the uniformed force; and to other subordinates of the Department not in the uniformed force, without deposit, upon their application granted by the Board; in both cases on condition that the penalty for losing the badge shall be a fine of five dollars.

VI.—The Secretary is charged with carrying out the rules relating to the badges above referred to, and will render an account of the same to the Board, and of the deposits to the Treasurer, quarterly, on or before the tenth day of January, April, July and October, of each year.

VII.—For the use of officers and members of the uniformed force detailed for duty in theatres, a badge of the accompanying design was adopted, which shall be known and designated as the Theatre Detail Badge, and be issued and used subject to the following rules:



1st. The Property Record Clerk will have charge of the badges, account for the same by their numbers, and issue them to the Assistant Chief of Department and Second Assistant

Chief of Department upon their demand, in such numbers from time to time, as may be necessary ; but all badges in excess of the regular number required and issued to them for extraordinary occasions, shall be returned to the Property Record Clerk without delay.

2d. The Assistant Chiefs of Department shall issue to company commanders the number required by them for details to be furnished, keeping a record of their numbers.

3d. The company commanders shall keep the badges so issued to them, in their own possession, until required for use by the officers or men detailed for this duty, who shall return them immediately upon reporting back therefrom. The number of each badge so furnished to details shall be recorded in the company journal, both at the time of leaving and returning to quarters.

4th. The badge shall be substituted for the coat badge during service on theatre detail and shall be worn on the left breast at the level of the second button from the top of the coat and midway between the centre of the body and the side.

5th. The use of the badge by any one except officers and members of the uniformed force, detailed for theatre duty, and in uniform, is prohibited.

6th. On the reports of duty performed by officers and members detailed for theatre duty, as prescribed by General Order No. 24, O. B. C., series of 1881, they shall also report by name or number, all officers or members of the uniformed force who may enter any part of a theatre in uniform during their tour of duty, giving the number of the theatre detail badge worn by such officers or members, if any.

7th. Theatre details shall also, during each tour of duty, inspect the framed instructions with sample theatre detail badge attached (two of which will be furnished to each theatre, with the request to conspicuously display one near the ticket taker's

position and the other at the stage entrance), and report whenever they may be found out of place or order.

8th. In signing the report of duty performed at theatres, officers and members shall add the number of the badge worn by them.

9th. The penalty for losing a theatre detail badge is fixed at five dollars.

VIII.—A badge of office of the accompanying design was adopted for the ununiformed officials and subordinates of the Department, who may, in the judgment of the Board, require it, the official title to be engraved upon the upper scroll with a number in the number plate where there is more than one of



the same grade. The badge is to be used only when necessary as an emblem of their official authority and position, and not to admit within the lines at fires. They will be issued and a record thereof kept by the Property Record Clerk. The penalty for the loss of the badge is fixed at five dollars.

MAY 20, 1884.

(General Orders No. 5.)

I.—Article IV. of General Orders No. 31, O. B. C., series of 1881, is hereby countermanded, and the following is substituted therefor :

ARTICLE IV.

REQUISITIONS.

I.—All articles, materials and supplies required by any of the officers or employees of the Department responsible for public property, shall be called for by them on requisition (form 2) made and forwarded in duplicate through intermediate officers, with their approval or disapproval indorsed thereon, through the office of the Board to the Supply Clerk, who shall examine the same and submit them with his recommendations in writing indorsed thereon, to the chairman of the appropriate committee, accompanied by a schedule enumerating the requisitions and designating them by company, battalion, etc., and date. After the chairman of the committee has acted upon them, the requisitions, with the schedule, shall be referred by the President back to the Supply Clerk, with instructions to conform to the directions of the chairman of the committee.

The Supply Clerk shall, in conformity to the directions so received, issue upon the requisitions only such articles as he may have in store, and in case any of the articles called for are held for issue in the Repair Shops or elsewhere in the Department, he shall have power to authorize and direct the officers in charge to issue them and take proper receipts therefor. Articles called for on such requisition not on hand in the Department, and which it becomes necessary to purchase, are to be obtained in the manner specified in paragraph I., article XIII. of this order.

QUARTERLY REQUISITIONS.

II.—For all articles of supply enumerated in the subjoined list and used by the companies of the uniformed force and others, requisitions shall be made quarter-yearly (enumerating the articles in the same order as in the list), and be forwarded on the first Monday in January, April, July and October. No other articles shall be called for on the regular quarterly requisitions.

The maximum allowance for companies in the uniformed force is as follows, but smaller quantities will be called for whenever the maximum allowance is not absolutely needed :

Maximum allowance per quarter, except as otherwise stated.

	Engine Co.	H. & L. Co.
Coal, tons, as required.....	....	....
Wood, cords, as required.....	...	...
Hay, pounds per horse.....	1,200	1,200
Straw, pounds per horse.....	150	150
Oats, bags per horse.....	9	9
Feed, bags per horse.....	6	6
Blank forms, as required.....	....	....
Foolscap paper, quires.....	3	3
Letter paper, quires.....	3	3
Note paper, quires.....	3	3
Envelopes, official.....	50	50
Envelopes, letter.....	50	50
Black ink, bottles.....	1	1
Red ink, bottles.....	2	2
Mucilage, bottles.....	1	1
Blotters, number.....	24	24
Steel pens, dozens.....	2	2
Lead pencils, number.....	3	3
Cotton waste, pounds.....	* 30	* 30
Rotten stone, pounds.....	† 10	† 5
Oil meal, pounds per horse.....	5	5
Salt, quarts per horse.....	4	4
Sponges, number.....	‡ 6	‡ 6
Emery cloth, sheets.....	48	48
Axle grease, boxes.....	2	2
Matches, dozen boxes.....	3	3
Common soap, pounds.....	§ 20	§ 20
Castile soap, bars per horse.....	½	½
Kerosene wicks, dozen.....	1	1
Kerosene oil, gallons.....	|| 5	|| 5
Lubricating oil, gallons.....	3	1

* For double companies 10 pounds more.

† For double companies 6 more.

‡ For double companies 5 gallons more.

† For double companies 5 pounds more.

§ For double companies 10 pounds more.

SPECIAL REQUISITIONS.

III.—All other articles, not enumerated in the preceding paragraphs, must be called for on separate requisitions when needed.

IV.—In case the maximum allowance, specified in paragraph II. of this article, should be found insufficient, the additional quantity required must be called for on separate special requisitions, and the circumstances rendering the additional demand necessary must be clearly set forth upon the requisition or in a communication attached thereto. Such requisitions must not be made before the articles are actually needed.

V.—All special requisitions must be so indorsed on the outside, and be in duplicate.

VI.—Separate special requisitions must also be made on or before the 15th day of the month of June next, for the quantity of gas and horseshoeing required for the next succeeding six months. Beginning with December next, these requisitions shall hereafter be made annually on or before the 15th day of that month, for the quantity required for the next ensuing year. Only one copy of these requisitions will be required.

MAY 20, 1884.

(General Orders No. 6.)

I.—Paragraph II. of General Orders No. 4, O. B. C., series of 1883, is hereby countermanded, and the following is substituted therefor :

II.—The Second Assistant Chief of Department is designated as Instructor of the School, with power to select two assistants from the uniformed force, to be detailed at his request by the Chief of Department.

II.—General Orders No. 8, O. B. C., series of 1882, are hereby countermanded.

III.—The Examining Boards are hereby constituted as follows :

For applicants for promotion to the grade of Foreman and Assistant Foreman :

Assistant Chief of Department Hugh Bonner.

Second Assistant Chief of Department John McCabe.

Chief of Battalion William Rowe.

“ John J. Bresnan.

“ Francis J. Reilly.

For applicants for promotion to the grades of Engineer and Assistant Engineer of Steamer :

Second Assistant Chief of Department John McCabe.

Foreman John Castles, Repair Shops.

“ John Welsh, Engine Company No. 8.

“ Isaac Fisher, Engine Company No. 11.

Engineer of Steamer John H. Leonard, Engine Company No. 50.

Engineer of Steamer Timothy Ryan, Engine Company No. 22.

The Boards will each convene on notice from the senior officer, who will be Chairman.

IV.—Section 29 of paragraph V. of General Orders No. 13, O. B. C., series of 1881, is hereby countermanded, and the following is substituted therefor :

29. Applications for promotion must be made in the handwriting, and over the signature of the applicant, setting forth the length of his service in the various positions held in the Department, and his qualifications for the position to which he desires promotion ; be addressed to the Board, and forwarded through the intermediate commanders for indorsement by them, and such application shall thereupon be referred to the proper Examining Board for examination and report as to the applicant's fitness. But no application for promotion or advancement in grade of a member below the grade of Chief of

Battalion shall be considered unless the same is accompanied by a certificate to the effect that the applicant has successfully passed through both classes of the School of Instruction; and in addition thereto, in the case of applications for promotion to the grades of Engineer and Assistant Engineer of Steamer, the applicant shall apply for leave to attend at the Repair Shops for a period of thirty days during working hours, to study and familiarize himself with the construction of the various engines in use in this Department, and apply himself to the practical work of a machinist under the direction of the officer in charge of the Repair Shops. The President is authorized to have such leaves granted, and to have temporary vacancies caused thereby filled by detail where necessary.

MAY 20, 1884.

{General Orders No. 7.)

I.—The following section is hereby added to paragraph X. {relating to the duties of Foremen) of General Order No. 13, O. B. C., series of 1881 :

SEC. 35. Not permit card-playing or other games in quarters after midnight.

II.—Paragraph XII. of General Orders No. 20, O. B. C., series of 1881, is hereby countermanded and the following substituted therefor :

XII.—Any officer or member who may before the expiration of a leave of absence return to quarters and report himself present for duty to the commanding officer, shall be deemed to have abandoned the unexpired portion of such leave of absence and be regarded as present for duty. In the case of sick leaves such voluntary services shall not, however, be accepted without the sanction of the proper Medical Officer. And any officer or member who may, before the expiration of a leave of absence, attend at a fire and volunteer to aid in extinguishing it, shall first report to the officer in command of his com-

pany, if the company is present, or otherwise to the officer in command at the fire, who shall assign him to duty; and special report of the voluntary services so rendered shall be made to the Board by the officer to whom he reports.

III.—Paragraph II. of General Orders No. 19, O. B. C., series of 1881, is hereby countermanded and the following substituted therefor:

II.—The first, second, third, and fifth tours shall each be performed by one man, and the fourth tour by two men, who shall be designated house watchman and assistant house watchman, respectively, and their names placed on the bulletin board. The commanding officers of companies will equalize the details for this duty, and if at any time there are less than nine (9) available men for watch duty, the assistant house watchman for the fourth tour may be dispensed with. The details for house watch shall enter upon the discharge of their duties promptly at the minute named, being called ten minutes before such time, and shall be properly uniformed and prepared five minutes before going on duty. Both the detail about to be relieved and the detail about to go on duty will be held responsible for the accuracy of the record in the journal while the change is being made. The only part of the uniform that will be insisted on for the men on the fourth tour will be coat, trousers and badge.

IV.—The following section is hereby added to paragraph XVIII. of General Orders No. 21, O. B. C., series of 1881:

9. A standard female hose coupling having been furnished to each company for the purpose, the small nozzles of all hydrants in the several company districts will be tested, on or before the 15th day of each month, by removing the cap and fitting the coupling to the thread

of the nozzle. Whenever necessary, the threads of the nozzle (large as well as small on double hydrants) and the threads on the valve stems will be lubricated with oil and tallow. All defects found which cannot be remedied at the time of the inspection, will be immediately reported to the Chief of Department.

V.—Paragraph XIX. of General Orders No. 21, O. B. C., series of 1881, is hereby countermanded and the following is substituted therefor :

XIX.—All accidents, collisions, etc., resulting in loss of life or injuries to persons or damage to property, however slight, or other extraordinary or unusual occurrences of any nature, whether happening to officers or members of the Department or its apparatus, horses, hose, implements, etc., at any time or place, or to the persons of citizens, or to their property of any kind, in connection with the operations of the Department, while proceeding to, working at, or returning from fires or alarms, shall be reported by the company commanders to the Chief of Department without delay, as follows :

1. All such occurrences happening in connection with or incident to fire duty will be embraced in the reports of operations at fires, and all others will be made the subject of a special report.

2. Whenever loss of life, injuries to persons or damage to property results, the Chief of Battalion in whose district it occurred will at once make an investigation into the cause and responsibility for it, and the result, embracing a list of persons killed, of persons whose injuries resulted fatally up to the time of reporting, of persons so seriously injured as to incapacitate them for their ordinary avocations or labors and necessitating their confinement at home or in hospitals, etc., and of persons slightly injured ; and in case of damage to property, the estimated amount of such damage.

MAY 20, 1884.

(General Orders No. 8.)

All officers and members of the uniformed force who have passed and may hereafter pass the School of Instruction, shall as soon as practicable be assigned to the branch of the service for which the Instructor's certificate shows them to be best fitted; they shall not be transferred out of such branch of the service under any circumstances, or be detailed out of such branch of the service, except in cases of emergency, and upon all records and official papers they shall be designated as follows:

If certified to the best fitted for service in engine companies, with the letter (E.) in parenthesis after the name, in the case of new appointees, and with the letters (V. E.) if they volunteered for instruction.

If certified to be best fitted for service in hook and ladder companies, with the letter (H.) in parenthesis after the name, in the case of new appointees, and with the letters (V. H.) if they volunteered for instruction.

 JUNE 10, 1884.

(General Orders No. 9.)

I.—The following is hereby substituted for section 1, paragraph I. of General Orders No. 20, O. B. C., series of 1881, as amended by paragraph I., General Orders No. 3, O. B. C., series of 1882, which is hereby countermanded:

1st. Chiefs of Battalion may obtain a leave of absence of twenty-four hours' duration once each week. All other officers may obtain as many regular leaves of absence as may be practicable under the provisions of this order, not, however, to exceed seventy-two hours in the aggregate in any one month; but no leave of absence shall be granted to a company officer during the absence

of an officer of the same company on leave granted under the provisions of section 2 of this paragraph. All other members may each obtain as many regular leaves of absence of not more than twenty-four hours' duration each as may be practicable; in no case, however, is the number of such leaves to exceed three in each calendar month; and all such leaves (including those granted to officers) shall be made to terminate at or before 8 o'clock A. M.

II.—The officers designated to command battalions in the absence of the respective Chiefs of Battalion, by General Orders No. 1, as amended by Circular No. 2, O. B. C., current series, shall hereafter, when acting in that capacity at fires, wear a white fire cap.

AUGUST 30, 1884.

(General Orders No. 10.)

II.—So much of paragraph I. of General Orders No. 7, O. B. C., series of 1883, as relates to section 4, title "Assistant Chief of Department," and to section 3, title "Second Assistant Chief of Department" of paragraph II., and all of paragraph IV. of General Orders No. 1, O. B. C., series of 1883, are hereby countermanded, and the following are substituted therefor:

II.— * * * * *

ASSISTANT CHIEF OF DEPARTMENT.

* * * * *

4. He shall, under the Chief of Department, have command of the First, Second, Third, Fourth, Fifth, and Sixth Battalions. The commanding officers of these battalions shall send their company, fire, and consolidated morning reports, and all other papers, heretofore sent to the Chief of Department direct, to the Assistant Chief

of Department, so as to have them in his possession at or before 10 o'clock A. M., and he shall forward such papers, with proper indorsement and recommendations noted thereon, to the Chief of Department not later than 12 o'clock M. each day, unless actual duty at fires or fatigue caused thereby should prevent.

SECOND ASSISTANT CHIEF OF DEPARTMENT.

* * * * *

3. He shall, under the Chief or Acting Chief of Department, have command of the Seventh, Eighth, Ninth, Tenth, Eleventh, and Twelfth Battalions. The commanding officers of these battalions shall send their company, fire and consolidated morning reports, and all other papers, heretofore sent to the Chief of Department direct, to the Second Assistant Chief of Department, so as to have them in his possession at or before 10 o'clock A. M., and he shall forward such papers, with proper indorsements and recommendations noted thereon, to the Chief of Department not later than 12 o'clock M. each day, unless actual duty at fires or fatigue caused thereby should prevent.

IV.—There shall be twelve battalions in this Department, commanded by the Chiefs of Battalion, and consisting of the companies below designated :

First Battalion.—Chief of Battalion William Rowe commanding, with Headquarters at the quarters of Engine Company No. 29, No. 193 Fulton street.

Engine Companies Nos. 4, 6, 10 and 29, and Hook and Ladder Companies Nos. 10 and 15.

Second Battalion.—Chief of Battalion Charles D. Purroy commanding, with Headquarters at the quarters of Hook and Ladder Company No. 1, No. 26 Chambers street.

Engine Companies Nos. 7, 12, 31 and 32, and Hook and Ladder Company No. 1.

Third Battalion.—Chief of Battalion Joseph F. McGill commanding, with Headquarters at the quarters of Engine Company No. 20, No. 47 Marion street.

Engine Companies Nos. 13, 20 and 33, and Hook and Ladder Company No. 9.

Fourth Battalion.—Chief of Battalion Francis Mahedy commanding, with Headquarters at No. 180 Clinton street.

Engine Companies Nos. 9, 11, 15, 17 and 43, and Hook and Ladder Companies Nos. 6 and 11.

Fifth Battalion.—Chief of Battalion Thomas Lally commanding, with Headquarters at the quarters of Engine Company No. 30, No. 253 Spring street.

Engine Companies Nos. 24, 27 and 30, and Hook and Ladder Companies Nos. 5 and 8.

Sixth Battalion.—Chief of Battalion John J. Bresnan commanding, with Headquarters at the quarters of Hook and Ladder Company No. 3, No. 108 East Thirteenth street.

Engine Companies Nos. 5, 14, 25 and 28, and Hook and Ladder Company No. 3.

Seventh Battalion.—Chief of Battalion Benjamin A. Gicquel commanding, with Headquarters at the quarters of Engine Company No. 18, No. 132 West Tenth street.

Engine Companies Nos. 1, 3, 18, 19 and 51, and Hook and Ladder Company No. 12.

Eighth Battalion.—Chief of Battalion John S. Fisher commanding, with Headquarters at the quarters of Hook and Ladder Company No. 7, No. 217 East Twenty-eighth street.

Engine Companies Nos. 8, 16 and 21, and Hook and Ladder Companies Nos. 2 and 7.

Ninth Battalion.—Chief of Battalion Samuel Campbell commanding, with Headquarters at the quarters of Hook and Lad-

der Company No. 4, corner Forty-eighth street and Eighth avenue.

Engine Companies Nos. 2, 23, 26, 34 and 54, and Hook and Ladder Company No. 4.

Tenth Battalion.—Chief of Battalion Michael F. Reeves commanding, with Headquarters at the quarters of Engine Company No. 22, No. 150 East Eighty-fifth street.

Engine Companies Nos. 22, 39, 40, 44, 47 and 49, and Hook and Ladder Company No. 13.

Eleventh Battalion.—Chief of Battalion Francis J. Reilly commanding, with Headquarters at the quarters of Hook and Ladder Company No. 14, No. 120 East One Hundred and Twenty-fifth street.

Engine Companies Nos. 35, 36, 37, 38 and 53 (when organized), and Hook and Ladder Company No. 14.

Twelfth Battalion.—Chief of Battalion Thomas Gooderson commanding, with Headquarters at the quarters of Hook and Ladder Company No. 17, One Hundred and Forty-third street, near Third avenue.

Engine Companies Nos. 41, 42, 45, 46, 48, 50 and 52, and Hook and Ladder Companies Nos. 17 and 19.

III.—Upon the recommendation of the Chief of Department the following-named officers are hereby designated to command the several battalions in the absence of the respective Chiefs of Battalion :

Foreman George L. Crum, Engine Company No. 4, First Battalion.

“ Peter H. Short, Hook and Ladder Company No. 1, Second Battalion.

“ Robert Wray, Engine Company No. 20, Third Battalion.

“ Thomas Judge, Engine Company No. 15, Fourth Battalion.

Foreman Arnot Spence, Engine Company No. 27, Fifth Battalion.

“ Daniel J. Meagher, Hook and Ladder Company No. 3, Sixth Battalion.

“ William Shaw, Hook and Ladder Company No. 12, Seventh Battalion.

“ John Sattler, Hook and Ladder Company No. 2, Eighth Battalion.

“ David Connor, Engine Company No. 23, Ninth Battalion.

“ Patrick Donohue, Engine Company No. 22, Tenth Battalion.

“ Henry M. Jones, Hook and Ladder Company No. 14, Eleventh Battalion.

“ John Ward, Engine Company No. 50, Twelfth Battalion.

Whenever either of the Foremen above named receives notice of intended absence from the Chief of Battalion, he will, at the proper time, turn over the command of his company to the Assistant Foreman or other officer to be by him designated, assume command of the battalion, perform all the duties of the Chief of Battalion until his return to duty, and be obeyed and respected accordingly.

* * * * *

V.—The provisions of this order will take effect at 8 A. M., 1st proximo.

NOVEMBER 7, 1884.

(General Orders No. 12.)

I.—Title “Chief of Department,” and sections 1 and 2, title “Assistant Chief of Department,” and section 2, title “Second Assistant Chief of Department,” all forming part of paragraph II., General Orders No. 1, O. B. C., series of 1883, are hereby

countermanded, and the following is substituted for title "Chief of Department" :

CHIEF OF DEPARTMENT.

The Chief of Department shall perform duty at all second and third alarms south of Fifty-ninth street, and at all other alarms at his discretion. He shall have power to assign all his subordinates, including the companies, to fire duty. But all changes made in such assignments shall be reported to the Board without delay.

II.—Sections 3, 4 and 5, title "Assistant Chief of Department," of paragraph II., General Orders No. 1, O. B. C., series of 1883, are hereby respectively renumbered 1, 2 and 3 ; and sections 3 and 4, title "Second Assistant Chief of Department," of paragraph II., General Orders No. 1, O. B. C., series of 1883, are hereby respectively renumbered 2 and 3, and all files of orders will be altered accordingly.

DECEMBER 3, 1884.

(General Orders No. 13.)

The following additions to paragraph XL., General Orders No. 26, O. B. C., series of 1881, are herewith promulgated and will be observed :

Engine Company No. 51.....	14 strokes and 5-1 strokes.
" 52.....	" 5-2 "
" 53.....	" 5-3 "
" 54.....	" 5-4 "
" 55.....	" 5-5 "
" 56.....	" 5-6 "
" 57.....	" 5-7 "
" 58.....	" 5-8 "
" 59.....	" 5-9 "
Steamboat "Thomas S. Brennan,"	
Department Public Charities and	
Correction	" 6-9 "

DECEMBER 31, 1884.

(General Orders No. 15.)

The following rules in relation to the inspection of buildings by this Department are hereby prescribed and adopted :

I.—The Inspector of Buildings is required and directed to make reports of the operations and business transacted in his Bureau as soon after the close of each calendar month and of each quarter ending March 31, June 30, September 30 and December 31, as may be practicable, and he shall make immediate report in writing of all matters of extraordinary interest or importance requiring the attention or action of the Board.

II.—The Inspector of Buildings shall be directly responsible to the Board of Commissioners for the proper conduct and management of his Bureau. He is charged with the prompt execution and enforcement of all laws and ordinances ; also, of all rules, regulations and orders of the Board of Fire Commissioners, general or special, so far as they are applicable to himself or his Bureau, and he shall keep an accurate record, in convenient form for reference, of the public business transacted therein.

III.—The Inspector of Buildings shall file in the Office of the Bureau of Inspection of Buildings, a statement in writing of his action and the reasons therefor in passing upon any question relative to the mode, manner of construction, alteration or repair of any building, when the same is not especially provided for by law.

IV.—The reports of Examiners (properly formulated) of violation, fire-escape and unsafe building cases, shall be forwarded by the Inspector of Buildings as soon as practicable, with his recommendation thereon, together with a form of a proposed notice which he may deem proper to be issued in such cases.

V.—The following instructions for Examiners must be strictly observed :

RULES FOR THE GOVERNMENT AND INSTRUCTION OF THE
EXAMINERS OF THE BUREAU.

1. They will report to the Inspector of Buildings, or in his absence to the Record Clerk, at the office of the Bureau, at 9 o'clock A. M. each day, except Sundays and legal holidays, prepared to hand in the reports of operations of the previous day in their respective districts, and upon receiving such instructions as may be given them will immediately proceed to the performance of duty within their respective districts, or to such special duty as may be assigned them.

2. Between the hours of 5.30 and 6 P. M. each day, except Saturdays and legal holidays, from March 1 to October 31, both inclusive, and between the hours of 4.30 and 5 o'clock P. M., except Saturdays and legal holidays, from November 1 to February 28, both inclusive, they will report for the purpose of receiving any instructions it may be necessary to communicate to them, at the quarters of the Engine or Hook and Ladder Companies which may be designated by the Inspector of Buildings.

3. On Saturdays they will report at the above places between 3.30 and 4 o'clock P. M.

4. Unless by permission, no Examiner will leave his district during working hours.

5. Each Examiner is required to keep a journal, in which will be entered daily the buildings visited, whether new buildings or buildings being altered, unsafe buildings or buildings requiring fire-escapes or proper means of exit. The time of visit and condition of the work must be noted in the journal, which must be signed by the Examiner daily before reporting at the district headquarters. The journal will be submitted to the Record Clerk each Monday morning for examination.

Books for the purpose will be furnished by the Bureau, and will be the property of the Department, and must be surrendered by the Examiner when leaving the Department.

6. Examiners will make a report each Monday morning of every violation and unsafe building in their respective districts.

7. Examiners are required to submit on the first day of each month a report, on the forms provided for that purpose, of such new buildings and alterations to buildings that have been commenced and completed during the preceding month.

8. Reports must be in writing, on the forms provided by the Department, and be promptly presented at 9 o'clock A. M. Except where especially instructed, Examiners will not be permitted to write their reports in the office after that hour.

In cases of violations, the section of the law violated must be specified and the language of the law quoted; and as the forms are printed and easily understood, it is expected there will be no necessity for returning them to the Examiner for correction. No report will be received unless properly made. Any Examiner who does not feel qualified to properly make a report of a violation, fire-escape or unsafe building, will receive instructions upon application.

9. Examiners will be provided with copies of the laws relating to construction of buildings in this city, and it is expected they will become thoroughly familiar with the provisions of the same.

10. All buildings in process of erection or alteration in the respective districts must be examined daily to see if they are being erected or altered in conformity to the laws and according to the terms and conditions of the plans and specifications as approved.

Should the Examiner find a building or buildings being erected or altered without permit, he will so report and prefer a complaint against the persons so violating the law. Buildings in which bad materials are used will be reported, and the Ex-

aminer will state in his report how much, if any, of the wall or walls in which such materials were used, must be taken down.

Should the parties using bad materials fail to cause the removal of the same within twenty-four hours, they should be reported for prosecution by the Examiner.

When an application for a permit to put additional stories on a building, or to otherwise alter a building, is referred to an Examiner for examination, he will measure the height of the building, the thickness of walls on each story, the condition of foundation walls, and ascertain if they are built of good materials. The examination must include the nature of the ground on which the foundation walls are laid, and the kind of sand used in the mortar.

All examinations of buildings, whether of party-walls or buildings which it is proposed to repair or alter, and all examinations of theatres or other public buildings, to ascertain if there are sufficient means of egress, are to be promptly reported.

Examiners are required to make diligent search for unsafe buildings. When any unsafe building comes under the notice of, or is referred to an Examiner for investigation, he will make a full report thereon, giving the exact location of the building, name of owner and occupant, the purpose for which the building is used, and whether persons are living in it. The report will also state in what particular the building is unsafe, and what is necessary to make it safe, and if there is danger of the building falling before legal proceedings can be taken for its removal.

The Examiners will report all buildings which require fire-escapes. When a report is made on any building requiring fire-escapes with balconies, the windows which are to open on the balconies, and the area and yard, if any, together with a diagram of the building, must also be submitted. They will, within three days after the completion of a fire-escape, make report thereof.

All cases in which the means of escape ordered are not provided within thirty days from the date of the memorandum thereof referred to the Examiner, must be returned by him for prosecution.

Examiners will give notice that all iron beams, lintels, or girders spanning openings over eight feet (or under nine feet), and all iron posts or columns on which a wall or a floor, or part of a floor, is supported, must be tested and marked with the weight each will safely sustain, by the manufacturer or founder thereof, under the supervision of an officer of the Department, before being used in any building.

The Inspector detailed to attend the testing will see that each piece is properly tested, and the safe load properly marked thereon with the Department mark and date of approval. The use of any ironwork as above specified on any building, unless the same be marked as above stated, is prohibited.

Examiners are required to report what ironwork is used on any and every building in their districts, and the weight which each piece is marked to sustain, so that it may be compared with the record in this office.

The building law requires that all walls of any building over fifteen feet high shall be built up and extended at least twenty-four inches above the roof, and shall be coped with stone or iron.

Examiners are advised that, in the opinion of the Inspector of Buildings, the law applies only to the walls which abut against an adjoining house of the same height, or a party-wall where the roofs of both houses are the same height, and that the said section is to be construed so as to exempt front and rear walls as above stated. All other side walls must be carried up above the roof at least four courses and coped with stone or iron, and in no case must there be less than two feet between the top of the wall and the lowest roof next adjoining.

No recesses will be allowed in twelve-inch party walls, nor recesses in outside twelve-inch walls more than four inches in

depth ; if the walls are sixteen inches, four-inch recesses will be allowed, and eight-inch recesses in twenty-inch walls and over ; but, in all cases, the pipes must be filled in around perfectly tight for a distance of six inches above top of beams to a point six inches below the bottom of beams of each story, with gauged mortar or cement, so as to perfectly cut off drafts or passage of fire or smoke.

All furred walls must be plastered between beams, to prevent the passage of smoke or fire.

Leaders from roofs of houses must be erected so as to conduct the water to the sewer or to the street gutter in such manner as shall protect the walls and foundations from damage, and in no case shall the water from said leaders be allowed to flow upon the sidewalk.

11. All complaints referred to the Examiners must be examined and reported on immediately, on the forms provided for that purpose.

12. In addition to the daily inspection of work in progress in the Examiners' respective districts, they are required to inspect the buildings in such district, commencing at the south-erly end, and continue from house to house until all the houses in such district are inspected, and report in writing daily, giving street and number, and such reports must state that the building is, or is not, in a safe condition.

It is intended that a record of the same shall be kept, with the name of the Examiner making the report.

13. On stormy days the Examiners will be required to remain in the office, unless specially detailed on important business which admits of no delay, when they will be instructed in their duties, and how to perform them in the most effective manner.

14. Making false reports, or failing to comply with the regulations as above, on the part of any Examiner, will be deemed sufficient ground for removal.

15. It shall be the duty of the Inspector of Buildings to report to the Board of Fire Commissioners any violation of these rules, or of duty on the part of any Examiner.

VI.—The following instructions for clerks in said Bureau shall be strictly observed :

RULES FOR THE GOVERNMENT AND INSTRUCTION OF THE
CLERKS OF THE BUREAU.

1. The office work of this Bureau shall be divided into four classes, viz. :

First Class.—Plans of New Buildings and Alterations to Buildings.

Second Class.—Violations and Fire-escapes.

Third Class.—Unsafe Buildings.

Fourth Class.—Complaints.

Each class will be under charge of a clerk, heretofore designated for that purpose, who will be held responsible for all books and papers placed in his care, and for proper observance of the rules, as hereinafter provided.

2. The Clerk at the head of the First Class will have charge of all applications for erection of new buildings and alterations, etc., to buildings (including plans or drawings); reports of Examiners on condition of structures, index books of new buildings and alterations to buildings; special application book, dockets of new buildings and alterations to buildings, and blanks for use of persons applying for permits. He will see that all applications are ready for report by the Examiners, and will make a report monthly to the Record Clerk of the number of applications of the several kinds approved, disapproved, amended and approved, and pending, and of all buildings and alterations to buildings, commenced, in progress, and completed.

3. The Clerk at the head of the Second Class will have charge of all violations and fire-escape cases and the violation and fire-escape books, and will be required to have the same written up. He will see that all notices for service in violation and fire-escape cases are properly made, and he will make report monthly of the number of violation and fire-escape cases received, the number in which the laws have been complied with, the number forwarded to the Attorney for prosecution and the number pending. He will also include in the monthly report the number of notices of the respective kinds prepared for service.

4. The Clerk at the head of the Third Class will have charge of all unsafe building cases and the unsafe index books and dockets, and will be required to have the same written up. He will receive all reports upon unsafe buildings and prepare for service the necessary notices and will make report monthly of all unsafe cases received, the number in which the law has been complied with, the number pending, the number in which surveys have been held, and the number of notices prepared for service. He will also prepare for the Board of Underwriters a list of all unsafe buildings reported during the month.

5. The Clerk at the head of the Fourth Class will have charge of the complaints and complaint books, and will be required to have the same written up, and to have all complaints prepared for investigation by the Examiners. He will report monthly the number received, disposed of and pending.

6. It is expected that the work of the several classes will be completed at the close of office hours each day, so far as the same is practicable.

Notices made out before 3 o'clock each day will be of even date. Notices made out after 3 o'clock P. M. will be dated as of the following day.

All notices must be entered in the notice-book and be delivered for service to the Record Clerk before 9.15 A. M.

7. Examiners will make separate monthly reports of unsafe cases and general violation cases on forms Nos. 8 and 41. They will hand in to the respective clerks the reports, etc., properly under their charge. All plans, reports, complaints, etc., received by the clerks in charge must be stamped with date of receipt at the office.

8. All books and papers must be returned to their proper places after use. Official papers will in no case be retained by the clerks or kept in the desks after office hours.

9. The attention of clerks and messengers is called to the rules promulgated by the Board of Commissioners in General Order No. 30, series of 1881, and they are informed that strict adherence to the same will be required.

VII.—All notices of violations of law and such other notices as may be necessary, shall be served by the messengers or any employee of the Bureau of Inspection of Buildings in a careful, exact and proper manner, and the proper returns of service of such notices shall be made immediately thereafter.

VIII.—The following instructions for making service of notices from the Bureau of Inspection of Buildings must be strictly observed :

1. Find the person addressed in the notice ; inquire if he or she is interested in the property as stated, and if so interested, serve the notice upon the person by delivering it to and leaving it with that person.

2. Do not leave the notice with any other than the person addressed.

3. If there is any error as to ownership, lesseeship, executorship, etc., in the notice, return it with a memorandum of the correction required.

4. In the event of failure to find the person or persons addressed in the notice as owner or owners, after making diligent

search and inquiry, post the notice in a conspicuous place on the premises described therein.

5. Make affidavit of service of notice, stating manner, time and place of such service, or in the event of failure to find the person or persons addressed, the particulars of the search and inquiry made, and of the posting of the notice on the premises described. The affidavit must be in the following form when the notice is served personally, viz. :

SERVICE OF NOTICE.

Violation, .

Unsafe,

Fire Escape,

} Record No....(insert number).

City and County of New York, ss. :

.....of said city and county, being duly sworn, says that he is.....in the Bureau of Inspection of Buildings (as the case may be), in the Fire Department of the City of New York, and was duly authorized to serve the within notice ; that on the..... day of 188 , atat.....M., he served upon.....therein named, by delivering to and leaving with said.....in person, a notice, of which the within is a true and correct copy, and that he knows the person so served to be the same person described in said notice ; and said.....admitted to deponent that he was (owner, or builder, or agent, etc., as the case may be) of the building therein described.

Subscribed and sworn to before me, this }
day of..... 188 , }

.....
Notary Public,
New York County.

6. The affidavit must be in the following form when the notice is served by posting the notice upon the premises, viz. :

SERVICE OF NOTICE.

Violation,
Unsafe,
Fire Escape,

} Record No....(insert number).

City and County of New York, ss. :

.....of said city and county, being duly sworn,..... orin the Bureau of Inspection of Buildings (as the case may be), in the Fire Department of the City of New York, and was duly authorized to serve the within notice; that on theday of.....188 , he posted a notice, of which the within is a true and correct copy, on the building therein described, having been unable to find (insert name) therein named, after diligent search for (him or her or them) (insert here the particulars of search and inquiry).

Subscribed and sworn to before me, this.... }
day of.....188 , }

.....
Notary Public,
New York County.

7. If the notice to be served is for the survey of an unsafe building (as provided in section 37 of chapter 625 of the Laws of 1871), service must be made in the manner heretofore prescribed at least twenty-four hours before, but not more than three days before the time fixed in said notice for such survey.

8. If a firm is addressed in a notice, personal service upon one member thereof is sufficient. In serving a firm or partner-

ship, ascertain the names of the persons composing the firm, and state in the affidavit of service the name of the particular person served.

9. Where the party addressed is a corporation the notice must be served upon an officer thereof.

10. In serving corporations be particular to insert the name and title of the person served in the affidavit of the service.

IX.—All reports and returns of service of notices, etc., herein required, shall be forwarded direct to the Inspector of Buildings.

X.—The Chief Clerk of said Bureau of Inspection of Buildings will act as Clerk to the Board of Examiners, organized under the provisions of section 504, chapter 410, Laws of 1882, and keep a record of the proceedings of such Board, which shall be filed in the office of the Bureau of Inspection of Buildings, as provided by law. He shall report to the Inspector of Buildings for that purpose only from time to time.

XI.—The provisions of this order shall take effect immediately, and all rules, orders and directions heretofore made for the conduct of the Bureau of Inspection of Buildings inconsistent with the foregoing rules are hereby repealed.

XII.—General Orders No. 28, O. B. C., series of 1881, is hereby countermanded.

CHANGES IN AND PRESENT ORGANIZATION OF THE UNIFORMED FORCE.

New Companies.—Engine Companies No. 52 and 54 were organized and put in service respectively on August 30 and May 26, the former being located on Riverdale avenue, near the junction of Westchester avenue, and the latter at No. 304 West Forty-seventh street.

Double Companies.—Engine Companies No. 5, 18, 26 and 27, and Hook and Ladder Company No. 5 were organized as double companies during the year, each was equipped with an additional set of apparatus and horses and the complement of men increased to eighteen.

As thus changed, the company organization, complement of officers and men, kind and number of apparatus and number of horses, was as follows. The number of alarms responded to and number of fires each company performed duty at is also given in this table :

COMPANY.	No. of Officers and Men.	APPARATUS AND HORSES.								Total No. of Horses.	No. of Alarms Responded to.	No. of Fires Performed Duty at.
		No. of Steam Fire-engines.	No. of Horses.	No. of Four-wheel Tenders.	No. of Horses.	No. of Two-wheel Tenders.	No. of Horses.	No. of Hook and Ladder Trucks.	No. of Horses.			
Engine 1.....	12	1	2	1	2	..	..	..	..	4	157	41
" 2.....	12	1	2	1	2	..	..	..	..	4	102	37
" 3.....	12	1	2	1	2	..	..	..	..	4	104	42
" 4.....	12	1	2	..	..	1	1	..	..	3	125	57
" 5.....	18	2	4	..	..	2	2	..	..	6*	157	48
" 6.....	12	1	2	..	..	1	1	..	..	3	110	47
" 7.....	16	1	2	..	..	1	1	..	..	5†	178	64
" 8.....	12	1	2	1	2	..	..	..	..	4	159	38
" 9.....	12	1	2	..	..	1	1	..	..	3	277	98
" 10.....	12	1	2	1	2	..	..	..	..	4	55	32
" 11.....	12	1	2	1	2	..	..	..	..	4	143	43
" 12.....	18	2	4	..	..	2	2	..	..	6*	211	79
" 13.....	18	2	4	..	..	2	2	..	..	6*	205	79
" 14.....	12	1	2	1	2	..	..	..	..	4	159	60
" 15.....	12	1	2	..	..	1	1	..	..	3	189	61
" 16.....	18	2	4	..	..	2	2	..	..	6*	172	48
" 17.....	12	1	2	..	..	1	1	..	..	3	290	87
" 18.....	18	2	4	1	2	1	1	..	..	7*	144	44

* Double Company.

† Water Tower No. 1.

COMPANY.	No. of Officers and Men.	APPARATUS AND HORSES.							Total No. of Horses.	No. of Alarms Responded to.	No. of Fires Per- formed Duty at.
		No. of Steam Fire-engines.	No. of Horses.	No. of Four- wheel Tenders.	No. of Horses.	No. of Two- wheel Tenders.	No. of Horses.	No. of Hook and Ladder Trucks.			
Engine 19.....	12	1	2	..	..	1	1	..	3	94	39
" 20.....	12	1	2	..	..	1	1	..	3	241	84
" 21.....	12	1	2	1	2	..	..	..	4	147	42
" 22.....	12	1	2	..	..	1	1	..	3	105	16
" 23.....	12	1	2	1	2	..	..	..	4	92	41
" 24.....	12	1	2	1	2	..	..	..	4	118	49
" 25.....	12	1	2	..	..	1	1	..	3	171	35
" 26.....	18	2	4	1	2	1	1	..	7*	151	45
" 27.....	18	2	4	1	2	1	1	..	7*	114	50
" 28.....	12	1	2	..	..	1	1	..	3	94	27
" 29.....	12	1	2	..	..	1	1	..	3	123	64
" 30.....	12	1	2	1	2	..	..	..	4	133	49
" 31.....	13	2	4	..	..	2	2	..	6*	183	71
" 32.....	12	1	2	..	..	1	1	..	3	91	57
" 33.....	18	2	4	..	..	2	2	..	6*	184	69
" 34.....	12	1	2	..	..	1	1	..	3	129	38
" 35.....	12	1	2	..	..	1	1	..	3	104	34
" 36.....	12	1	2	1	2	..	..	..	4	112	31
" 37.....	14	1	2	1	2	..	..	..	4†	75	9
" 38.....	12	1	2	1	1	..	..	1	5	34	9
" 39.....	12	1	2	..	..	1	1	1	5	152	30
" 40.....	12	1	2	..	..	1	1	..	3	52	21
" 41.....	8	1	2	..	..	1	1	..	3	31	10
" 42.....	8	1	2	1	2	..	..	..	4	13	5
" 43.....	10‡	..	..	..	..	..	..	..	..	103	12
" 44.....	12	1	2	1	2	..	..	..	4	123	31
" 45.....	8	1	2	1	2	..	..	..	4	7	4
" 46.....	8	1	2	1	2	..	..	..	4	6	4
" 47.....	12	1	2	1	2	..	..	1	6	39	7
" 48.....	12	1	2	1	2	..	..	1	6	10	4

* Double Company.

† Training Stables.

‡ Marine Engine.

COMPANY.	No. of Officers and Men.	APPARATUS AND HORSES.								Total No. of Horses.	No. of Alarms Responded to.	No. of Fires Per- formed Duty at.
		No. of Steam Fire-engines.	No. of Horses.	No. of Four- wheel Tenders.	No. of Horses.	No. of Two- wheel Tenders.	No. of Horses.	No. of Hook and Ladder Trucks.	No. of Horses.			
Engine 49.....	10	1	2	..	..	1	1	1	1	4	4	1
“ 50.....	12	1	2	1	2	..	..	1	2	6	22	10
“ 51.....	11†	..	..	..	..	..	..	..	..	..	106	10
“ 52.....	12	..	..	1	2	..	..	..	..	2	2	1
“ 54.....	12	1	2	..	..	1	1	..	..	3	65	11
Hook and Ladder 1.....	12	..	..	..	..	..	..	1	2	2	288	188
“ 2.....	12	..	..	..	..	..	..	1	2	2	288	103
“ 3.....	16	..	..	..	..	..	..	1	2	4‡	277	152
“ 4.....	12	..	..	..	..	..	..	1	2	2	218	131
“ 5.....	18	..	..	..	..	..	..	2	4	4*	194	106
“ 6.....	12	..	..	..	..	..	..	1	2	2	395	240
“ 7.....	13	..	..	..	..	..	..	1	2	2	235	109
“ 8.....	12	..	..	..	..	..	..	1	2	2	234	148
“ 9.....	14	..	..	..	..	..	..	2	4	4*	373	183
“ 10.....	12	..	..	..	..	..	..	1	2	2	185	122
“ 11.....	12	..	..	..	..	..	..	1	2	2	188	107
“ 12.....	12	..	..	..	..	..	..	1	2	2	239	107
“ 13.....	13	..	..	..	..	..	..	1	2	2	150	68
“ 14.....	12	..	..	..	..	..	..	1	2	2	121	77
“ 15.....	12	..	..	..	..	..	..	1	2	2	88	62
“ 17.....	10	..	..	..	..	..	..	1	2	2	71	28
“ 19.....	8	..	..	..	..	..	..	1	2	2	12	12
Total	892	59	118	25	49	35	35	25	49	255	9,728	3,968

* Double Company.

† Marine Engine.

‡ Water Tower No. 2.

Average number of alarms responded to, 139.

Average number of fires performed duty at, 57.

The above companies are organized into twelve battalions, each consisting of from four to nine companies, commanded by a Chief of Battalion ; the Assistant Chief of Department commanding the First, Second, Third, Fourth, Fifth and Sixth Battalions, and the Second Assistant Chief of Department commanding the Seventh, Eighth, Ninth, Tenth, Eleventh and Twelfth Battalions ; the entire force being under the command of the Chief of Department.

Appropriations and Expenditures.

TITLE OF APPROPRIATION.	AMOUNT OF APPROPRIATION.	EXPENDITURES.	BALANCE.
For Salaries—			
Headquarters	\$46,580 00	\$44,576 95	\$2,003 05
Bureau Chief of Department.....	1,037,209 20	1,035,548 87	1,660 33
“ Inspector of Combustibles....	13,300 00	13,297 41	2 59
“ Fire Marshal.....	7,400 00	7,400 00	.....
“ Inspection of Buildings.....	78,700 00	77,814 95	885 05
Attorney	4,000 00	4,000 00	.....
Fire Alarm Telegraph.....	20,540 00	20,304 42	235 58
Repair Shops.....	58,000 00	57,997 92	2 08
Hospital Stables.....	7,000 00	5,540 63	1,459 37
Total salaries	\$1,272,729 20	\$1,266,481 15	\$6,248 05
For Apparatus, Supplies, etc.—			
Apparatus, horses, rents, supplies, etc.	\$302,400 00	\$302,400 00	.....
New houses.....	111,000 00	111,000 00	.....
Total apparatus, etc., etc.	\$413,400 00	\$413,400 00	.....
Grand total	\$1,686,129 20	\$1,679,881 15	\$6,248 05

Of the expenditures the following amounts were under contracts awarded upon proposals advertised for as provided by law :

Apparatus, Supplies, etc.—

For forage.....	\$32,098 70
For fuel	25,140 00
For new boilers and repairs to fire-engines	7,800 00
For new fire-engines	23,550 00
For new hose tender.....	6,825 00
For new scaling ladders, etc.....	1,701 75
For new water tower.....	4,000 00
For new hose.....	28,400 00
<hr/>	
Total	\$129,515 45
For new houses	103,427 00
<hr/>	
Grand total	<u>\$232,942 45</u>

Amount of Bills and Pay-rolls Audited.

Bills for 1882.....	\$7,165 00
Bills for 1883.....	101,844 88
Bills for 1884.....	296,481 13
<hr/>	
Total bills	\$405,491 01
Pay-rolls for 1884	1,266,440 90
<hr/>	
Total bills and pay-rolls	<u>\$1,671,931 91</u>

Sale of Condemned Horses, etc., at Auction.

Nine horses.....	\$749 25
Materials, etc.....	716 85
<hr/>	
Total.....	<u>\$1,466 10</u>

Number and Character of Alarms, Manner of Receipt and Cause.

ALARMS.	MANNER OF RECEIPT.					CAUSE.														
	From Department Street Alarm-boxes.	Special Department Telegraph Signals.	Verbally.	Automatic Telegraph.	Total.	Accidents.	Cry of "Fire."	Error.	Exhibition of Department.	Explosions.	Fire outside of City.	Heat and disarrangement of Aut. Telegraph.	Ignorance.	Malicious mischief.	Not ascertained.	Reflection from stoves, etc.	Reflection of distant fire.	Smoke, etc., issuing from premises.	Fire.	Total.
Unnecessary.....	33	2	13	21	69	9	5	5	1	4	1	11	8	11	12	..	..	2	...	69
Indication of fire..	80	3	55	1	139	..	..	..	..	1	..	..	..	..	10	..	128	...	139	139
Fires	1,486	23	894	3	2,406	..	..	..	..	..	..	..	..	..	..	..	..	2,406	2,406	2,406
Total	1,599	28	962	25	2,614	9	5	5	1	5	1	11	8	11	12	10	..	130	2,406	2,614

244 alarms were communicated by attachés of this Department, of which 237 proved to be for fires.

726	"	"	Police	"	680	"	"
564	"	"	District key-holders,	"	528	"	"
111	"	"	Citizen	"	104	"	"
969	"	"	all other means,	"	857	"	"
2,614	"	"	all the various means,	"	2,406	"	"

Statistics of Fires.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
In buildings—													
Confined to point of starting	219	177	192	189	155	203	158	130	151	155	170	239	2,138
Confined to building.	16	7	8	21	13	13	9	9	16	14	17	21	164
Extended to other buildings.....	6	5	..	4	8	3	4	2	2	4	4	4	46
Number in buildings	241	189	200	214	176	219	171	141	169	173	191	264	2,348
In vessels.....	2	..	..	1	..	1	..	..	1	4	1	..	10
In other places (woods, etc.).....	4	1	3	3	12	5	5	2	2	6	3	2	48
Total.....	247	190	203	218	188	225	176	143	172	183	195	266	2,406
Discovered by—													
Attachés of Fire Department.....	24	20	11	18	27	24	21	14	19	18	17	24	237
Attachés of Police Department.....	67	58	61	60	50	48	49	45	54	54	67	67	680
District key-holders..	67	45	52	57	41	51	35	24	37	36	36	47	528

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Discovered by—													
Citizen key-holders..	15	7	10	10	7	7	6	4	6	9	9	14	104
All other means.....	74	60	69	73	63	95	65	56	56	66	66	114	857
Total.....	247	190	203	218	188	225	176	143	172	183	195	266	2,406
Extinguished with—													
Buckets of water, etc.	115	112	123	136	126	163	124	83	112	120	108	172	1,504
One engine stream...	76	46	50	39	32	38	26	32	32	31	58	62	522
Two or three engine streams.....	33	29	23	26	19	15	21	23	23	24	22	23	281
More than three engine streams..	13	3	7	17	11	9	5	5	5	8	7	9	99
Total.....	247	190	203	218	188	225	176	143	172	183	195	266	2,406
Extent of damage to buildings and vessels—													
Built mainly of brick, stone or iron:													
Slight	122	72	76	49	45	65	56	54	47	55	68	103	812
Considerable	12	3	5	12	10	3	3	4	6	10	7	8	83
Destroyed.....	1	..	1	..	1	..	..	..	1	2	..	2	8
Total.....	135	75	82	61	56	68	59	58	54	67	75	113	903
Built mainly of wood:													
Slight.....	9	16	10	20	14	13	10	8	12	8	9	18	147
Considerable.....	3	7	..	5	6	3	1	2	5	1	5	4	42
Destroyed. ....	..	..	..	2	1	1	1	..	..	4	..	1	10
Total.....	12	23	10	27	21	17	12	10	17	13	14	23	199
Total buildings and ves- } sels damaged.....	147	98	92	88	77	85	71	68	71	80	89	136	1,102
To which the damage was—													
Slight.....	131	88	86	69	59	78	66	62	59	63	77	121	959
Considerable	15	10	5	17	16	6	4	6	11	11	12	12	125
Destroyed.....	1	..	1	2	2	1	1	..	1	6	..	3	18
Number of fires resulting in damage to contents only; buildings or vessels not damaged	23	25	29	37	39	47	54	34	34	41	26	44	433
Number of fires resulting in nominal damage (less than \$10) to either structures or contents.....	68	57	57	73	66	85	55	44	62	67	53	82	769

Extent of and Damage by Fire for the Years 1881-1884.

Aggregate number of fires in buildings, 8,136, of which number 204, or two per cent., extended from the buildings in which the fire originated to others, and 196 buildings, or two per cent. (including buildings to which the fire extended), were destroyed.

Number of Fires Occurring each Day of the Week, and during the Different Hours and Periods of the Day, by Months.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Monday	42	19	39	37	12	28	28	22	26	28	25	46	352
Tuesday	40	25	19	51	27	26	36	19	27	26	22	39	357
Wednesday	46	27	30	34	26	26	21	16	22	24	30	34	336
Thursday	27	27	31	21	40	22	28	12	22	29	31	36	326
Friday	36	40	20	28	27	34	26	22	28	23	28	25	337
Saturday	32	27	37	28	26	42	18	22	23	24	31	57	367
Sunday	24	25	27	19	30	47	19	30	24	29	28	29	331
Between the hours of—													
12 midnight and 1 a. m.	10	14	4	5	5	10	8	9	13	4	10	8	100
1 a. m. and 2 a. m.	9	3	7	5	6	1	5	4	6	6	3	8	63
2 a. m. and 3 a. m.	7	5	7	12	6	2	8	7	5	7	8	5	79
12 midnight and 3 a. m.	26	22	18	22	17	13	21	20	24	17	21	21	242
3 a. m. and 4 a. m.	4	4	7	7	9	4	5	4	5	2	7	7	65
4 a. m. and 5 a. m.	3	3	6	5	2	3	5	3	6	3	2	4	45
5 a. m. and 6 a. m.	7	4	4	5	1	3	2	3	1	2	..	3	35
3 a. m. and 6 a. m.	14	11	17	17	12	10	12	10	12	7	9	14	145
12 midnight and 6 a. m.	40	33	35	39	29	23	33	30	36	24	30	35	387

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Between the hours of—													
6 a. m. and 7 a. m.	7	4	3	2	2	3	3	2	6	..	3	3	38
7 a. m. and 8 a. m.	5	3	3	7	4	5	8	3	1	3	6	4	52
8 a. m. and 9 a. m.	11	3	6	11	9	6	6	1	..	4	2	1	60
6 a. m. and 9 a. m.	23	10	12	20	15	14	17	6	7	7	11	8	150
9 a. m. and 10 a. m.	8	4	4	12	4	7	8	8	3	4	4	14	80
10 a. m. and 11 a. m.	15	9	9	14	6	9	12	5	3	5	8	13	108
11 a. m. and 12 m.	8	3	8	7	7	8	5	3	7	10	6	9	81
9 a. m. and 12 m.	31	16	21	33	17	24	25	16	13	19	18	36	269
6 a. m. and 12 m.	54	26	33	53	32	38	42	22	20	26	29	44	419
12 midnight and 12 m.	94	59	68	92	61	61	75	52	56	50	59	79	806
12 m. and 1 p. m.	7	9	8	4	7	14	5	4	10	7	4	12	91
1 p. m. and 2 p. m.	9	11	12	13	6	6	2	3	6	4	8	14	94
2 p. m. and 3 p. m.	7	9	5	9	9	12	5	9	3	10	10	7	95
12 m. and 3 p. m.	23	29	25	26	22	32	12	16	19	21	22	33	280
3 p. m. and 4 p. m.	8	5	7	4	9	9	8	5	7	11	8	6	87
4 p. m. and 5 p. m.	11	3	7	15	6	10	6	6	8	9	9	8	98
5 p. m. and 6 p. m.	20	12	6	6	10	9	6	4	9	18	16	23	139
3 p. m. and 6 p. m.	39	20	20	25	25	28	20	15	24	38	33	37	324
12 m. and 6 p. m.	62	49	45	51	47	60	32	31	43	59	55	70	604
6 p. m. and 7 p. m.	24	21	15	19	7	11	7	11	25	18	20	36	214
7 p. m. and 8 p. m.	22	17	18	14	20	22	7	16	15	13	19	17	200
8 p. m. and 9 p. m.	9	15	18	10	18	28	20	16	10	16	13	24	197
6 p. m. and 9 p. m.	55	53	51	43	45	61	34	43	50	47	52	77	611

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Between the hours of—													
9 p. m. and 10 p. m.	15	16	20	10	14	27	17	4	10	19	13	14	179
10 p. m. and 11 p. m.	9	8	14	6	11	11	7	6	3	5	10	13	103
11 p. m. and 12 midnight.	12	5	5	16	10	5	11	7	10	3	6	13	103
9 p. m. and 12 midnight.	36	29	29	32	35	43	35	17	23	27	29	40	385
6 p. m. and 12 midnight.	91	82	90	75	80	104	69	60	73	74	81	117	996
12 m. and 12 midnight.	153	131	135	126	127	164	101	91	116	133	136	187	1,600
6 a. m. and 6 p. m.	116	75	78	104	79	98	74	53	63	85	84	114	1,023
6 p. m. and 6 a. m.	131	115	125	114	100	127	102	90	109	98	111	152	1,383
Total each month. ...	247	190	203	218	188	225	176	143	172	183	195	266	2,406

THE LARGEST FIRES OF THE YEAR.

At each of the thirteen fires below referred to the loss exceeded fifty thousand dollars :

January 14.—Storage warehouse, Nos. 27, 28 and 29 East street, 75 by 200 feet, four-story, brick. Caused by spontaneous combustion in bales of jute and required the services of seventeen companies, including both floating engines, to extinguish it. The first alarm was received at 7.24 A. M., and the duration of the fire was seven hours. The building was destroyed and the fire extended to No. 44 Tompkins street, which was slightly damaged. Loss, \$225,542.

January 26.—No. 92 White street, printing, etc., four-story, brick, 25 by 75 feet. Caused by occupant smoking. Twelve companies were on duty. The first alarm was received at 9.48 P. M., and the duration was six hours and fifty minutes. The building was considerably damaged and the fire extended to

No. 90 White street, which was slightly damaged. Loss, \$76,135.

March 22.—Nos. 96 and 98 Thirteenth avenue, electric candle manufactory, four-story, brick, 100 by 150 feet. Cause not ascertained. Seventeen companies, including both floating engines, were at work for about twelve hours. The first alarm was received at 6.32 P. M. The building was destroyed and the loss was \$129,700.

April 7.—Apartment-house (St. George), Nos. 223 and 225 East Seventeenth street, eight-story, brick and stone, 60 by 90 feet. Cause not ascertained. The first alarm was sent at 11.25 A. M. and twenty companies performed duty for four hours. The building was considerably damaged and the loss was \$80,000.

April 29.—Cloth warehouse, Nos. 31 and 33 Thomas street, six-story, brick and iron front, 50 by 125 feet. Cause not ascertained. First alarm was sent at 8.59 P. M. and twenty-one companies were on duty for about thirteen hours. Building was considerably damaged. Loss, \$211,800.

May 12.—Brewery, No. 1260 North Third avenue, four-story, brick, 75 by 60 feet. Cause not ascertained. First alarm sent at 6.12 A. M. and twelve companies performed duty for about six hours. The fire extended to the adjoining ice-house, three-story, brick, 50 by 60 feet, and both were considerably damaged. Loss, \$74,979.

May 15.—Cotton storage warehouse, No. 20 Washington street, five-story, brick, 40 by 70 feet. First alarm sent at 9.25 P. M. and seventeen companies, including both floating engines, were on duty for nearly five hours. The cause was fire in cotton when stored. The building was considerably damaged. Loss, \$66,000.

May 25.—No. 52 Vesey street (confectionery), five-story, brick, 25 by 80 feet. Cause, steam-pipes igniting woodwork. The first alarm was sent at 3.03 A. M. and fifteen companies were on duty for nearly seven hours. The fire extended to No.

50 Vesey street (perfumery manufactory), five-story, brick, 25 by 80 feet. Both buildings were considerably damaged. Loss, \$77,663.

August 19.—Clothing establishment, Nos. 628 and 630 Broadway, six-story, brick and iron front, 50 by 200 feet. Caused by employees smoking. The alarm was received at 4.19 A. M. and the fire was extinguished by four companies in thirty minutes, the damage to the building being slight, and the loss, almost entirely on stock, was \$53,850.

October 15.—Nos. 546 and 548 West Fifty-seventh street, manufactory, four-story, brick, 50 by 200 feet. Cause not ascertained. The first alarm was sent at 4.12 A. M. and fifteen companies were employed for eight and one-half hours. The building was destroyed and the fire extended to Nos. 537 and 539 West Fifty-sixth street. Loss, \$96,450.

October 20.—No. 176 Duane street, five-story, brick, 25 by 100 feet, caused by friction of machinery. The first alarm was received at 3 A. M. and sixteen companies were engaged for four and one-half hours. The building was considerably damaged. Loss, \$63,000.

December 2.—Piano manufactory, Nos. 415 to 427 West Twenty-eighth street, eight-story, brick, 175 by 100 feet, caused by steam-pipes igniting lumber. The first alarm was received at 9.54 P. M. and eighteen companies were at work for about nine and one-half hours. The structure was considerably damaged. Loss, \$92,500.

December 23.—Theatre Comique, Nos. 728 and 730 Broadway, three-story, brick, 70 by 130 feet. The cause was not ascertained. The first alarm was received at 7.45 A. M. and sixteen companies were on duty for six hours. The theatre was destroyed and the fire extended to the adjoining buildings, Nos. 726 and 732 Broadway, which were slightly damaged. Loss, \$80,050.

WATER CONSUMPTION.

As nearly as can be estimated 44,093,600 gallons of water were used by the land engines of the Department in extinguishing fires, including the quantity taken from the rivers; and in addition thereto an estimated quantity of 9,531,300 gallons of river water was used by the two floating engines, making an aggregate of 53,624,900 gallons.

MERITORIOUS SERVICE.

The rescues at fires and elsewhere by the uniformed force involving personal risk, recorded on the Roll of Merit, are as follows:

Fireman John Banks, of Engine Company No. 7, and Chief of Battalion Francis Mahedy, at a fire originating in the building No. 214 Duane street, and extending thence to No. 173 West street, known as the "Erie Building," at 12.34 A. M., on February 19, rescued the janitor, Arnold Keiff, and his wife and four children, from the fifth story, after their means of escape by way of the stairway had been cut off, and they were in apparent danger of suffocation.

Foreman Henry W. McAdams, of Hook and Ladder Company No. 7, at a fire occurring in the building No. 63 East Twelfth street, on the evening of March 24, rescued Mrs. C. M. Maxwell from the open window of third story, to which she had been driven by the heat and smoke, by carrying her down a ladder raised for the purpose.

Private Second Grade, Thomas F. Freel, of Engine Company No. 43 (floating engine William F. Havemeyer, lying temporarily at the foot of East Eighteenth street), rescued Henry J. Whitaker, a boy, who fell into the river, by jumping overboard after him, on April 4.

Private Second Grade, John Binns, Private Second Grade, E. C. Graham, and Private Third Grade, Thomas F. Barrett, all of Hook and Ladder Company No. 3, and Private Second

Grade, Thomas J. Mooney, of Engine Company No. 5, distinguished themselves at the fire in the St. George apartment-house, Nos. 223 and 225 East Seventeenth street, on April 7. Upon arriving at the scene of the fire, Louis Castaigan, the elevator boy, was discovered at one of the seventh-story windows calling for help, the fire having extended so rapidly as to make it impossible for him to come down the stairways. Being ordered by the company commander to scale the front of the building to rescue the imperilled boy, Binns at once proceeded to do so, followed by Graham and Barrett, and while they were ascending from story to story by means of the scaling-ladders, the long extension ladder of the company was raised to its full height, reaching to the sill of the sixth-story windows. Private Binns having reached the fifth story, by means of the scaling-ladder, stepped from thence to the extension ladder, carrying his scaling-ladder with him, which he then hooked into the window of the seventh story, and ascending it found the boy in an exhausted and excited condition; he reassured and quieted him, and passed him down safely to his comrades below. Binns then made as thorough a search as practicable of the upper part of the building, descended to the fifth floor, where he was joined by Private Mulhare, of Hook and Ladder Co. No. 3, and found Robert W. Lockwood cut off from means of escape, who was aided to the street by way of the extension ladder. In recognition of the courage, agility and good judgment so prominently displayed by Private Binns on this occasion, as well as of his other good qualities, he was successively promoted Assistant Foreman and Foreman. In the meantime it was learned that other occupants who were seen at the upper windows on the side of the building were in danger, and private Mooney succeeded in rescuing Mrs. J. L. Lockwood, an invalid son, Louis Lockwood, aged nine years, and Jennie Wilson, a servant, from their perilous situation.

Private Second Grade, Samuel Banta, of Hook and Ladder Company No. 9, at great personal risk, and by the exercise of

good judgment, succeeded in extricating Fireman David H. Soden, of Engine Company No. 11, who had the misfortune to be buried in the ruins of a fire at Nos. 20 and 22 Pell street, on April 24. Banta volunteered to rescue Fireman Soden, with full knowledge of the dangers of the undertaking, and in his efforts to reach his comrade was compelled to crawl into the ruins, and literally cut his way through with a hand saw, the debris being meanwhile held up by ropes. Private Banta accomplished his difficult and heroic task successfully after an hour and three-quarters of incessant and arduous work.

Fireman Patrick Mead, of Hook and Ladder Company No. 8, rescued Mary McDonald, an infant three years old, from the second story of No. 374 Second avenue, in which a fire occurred on May 17, the smoke in the room being so dense and the heat so intense at the time as to make it very dangerous to enter. The child was nearly suffocated.

Private First Grade, Charles Frost, of Engine Company No. 24, at the fire which occurred on July 13, at No. 233 Bleecker street, seeing a woman (Mary E. Lane) at a third-story window calling for help, climbed up to the second story from the top of a booth and from there by way of the window and blinds to the third floor; and remained with the woman until the ladder was raised, down which he brought her in safety to the street, the smoke having become so dense, meanwhile, that they could not be seen from the street.

Private First Grade, William Reilly, of Engine Company No. 24, rescued Mrs. Lizzie McGloin from the third story of the building No. 170 Varick street, in which a fire occurred on August 4, under the following circumstances: Arriving at the fire with his company and seeing Mrs. McGloin hanging out of a third-story window, he climbed up a post to the top of the awning, and standing on the sash of a second-story window held on to the window blinds; upon his direction the woman dropped into his arms and was taken in safety to the street.

Assistant Foreman William D. Frazer and Private Third Grade, Joseph A. Cottrell, of Hook and Ladder Company No. 1, at a fire which occurred on September 29, in the building No. 42 Baxter street, were ordered to search the building, after nine persons had been rescued therefrom by the company, and proceeding with great difficulty to the third story found Jeremiah Griffin and an unknown man almost suffocated, whom they succeeded with considerable personal risk in getting out of the building.

Assistant Foreman William D. Frazer, of Hook and Ladder Company 1, rescued Mrs. Betsey Buttrick and her three children from the second story of the burning building No. 70 Baxter street, on December 14, by climbing up a post to the roof of the awning, entering the second story therefrom and groping his way, guided by faint cries, through dense smoke; he found the woman and two of her children in an exhausted condition, whom he carried one by one over the blazing awning to a ladder which had meantime been raised. Being then informed by the woman that the youngest child still remained in the building he again entered it and finding the child, also in an exhausted state, carried it to the street.

The records show that in all fifty persons were rescued by the uniformed force, twenty-two at personal risk at nine different fires, and one from drowning, also at personal risk.

THE BENNETT AND STEPHENSON MEDALS.

On June 12 a brigade of the Department was paraded on the occasion of the presentation of these medals for the year 1883, the Bennett Medal being presented to Private William B. Kirchner, of Engine Company No. 11, which was awarded to him for meritorious service on March 29, 1883, the details of which were given in the report for 1883, and the Stephenson Medal to Foreman Arnot Spence, of Engine Company No. 27, who was adjudged most deserving among the company commanders during the year 1883, in the attainment of the highest standard of discipline and efficiency in his command. For a

description of the endowment of the Stephenson Medal reference is made to the following circular issued by the Commissioners under date of January 12 :

The Fire Commissioners congratulate the members of the uniformed force upon their effective work during the last year, as well as upon their general good conduct and obedience to the rules. So long as discipline, self-sacrifice and courage are the chief characteristics of our firemen, this Department will maintain its high reputation. While the present condition of the force is satisfactory, still there is room for improvement, and it is with a view of pointing out the directions in which such improvement is contemplated, that this circular is issued.

The Chiefs of Battalion have been selected from the force on account of their meritorious service, their knowledge of the requirements and details of the Department, their skill in the management of fires, and their ability to direct and instruct their subordinates, and it is to them that the Commissioners must look for such examples as will incite the members of inferior grades to a strict performance of their duties. Chiefs of Battalion are required to "direct the movements of the officers and men under their command at fires." In the opinion of the Commissioners this requirement is not always fully satisfied when the Chief of Battalion in command remains inactive on the sidewalk in front of a burning building, while his subordinates are inside battling against the flames. Ordinarily his place is at the head of his men, directing their movements and guarding their safety.

The duties devolving upon officers and men are fully and clearly defined in existing orders, with which all are required to be familiar, but attention is specially invited to the following subjects, which have come under the observation of the Commissioners, and in which an improvement is demanded and expected :

It sometimes happens that the rule is violated which directs the first company officer arriving at a fire to assume command

until the arrival of a Battalion Chief, and that the result is damage to goods from an unnecessary quantity of water being used. The officer first arriving should at once assume the authority conferred upon him by the rule, and, exercising a careful judgment, should order back to its quarters any company whose services can be wisely dispensed with.

The "bill of dress" adopted by the Department must be strictly followed, and the Commissioners will insist upon neatness and cleanliness of appearance as far as it is practicable in connection with the active duties of the force; neglect of this important matter is without excuse.

In some of the company quarters it is essential that more attention be given by the house watch to all calls and signals on the telegraphic instruments, for it has been noticeable that this duty (upon which so much depends) has been occasionally delayed, and sometimes even neglected. A repetition of such delay or neglect will result in charges being preferred against the person at fault, and in his prompt punishment.

Deference and respect must be paid to all superior officers, as well in the manner of addressing them in conversation or speaking of them, as in properly saluting them wherever they may be encountered.

Drunkenness, either in or out of quarters, is fortunately of infrequent occurrence, but it should be blotted out altogether, and the Commissioners desire it to be understood that there is no place or use in this Department for a drunkard, and that any dereliction of this nature will be punished with the utmost severity.

The necessity of telling the exact and whole truth, when called as witnesses on trials, is also a matter requiring serious attention from the force. On several occasions there has been an apparent conspiracy on the part of witnesses, for the purpose of hiding the facts and shielding the accused. Besides being a violation of the Department rules, this offense is perjury under our State laws and must be stopped, even if it be necessary to

cause a complaint to be made against the offender before a committing magistrate.

There is nothing more annoying to the Commissioners, or more injurious to the service, than the frequent applications which are made for the transferring and retransferring of the same set of men. This evil originates, in great measure, with the men themselves, and hereafter such members of the force as are constantly endeavoring to shirk all arduous duty, through the intervention of their friends, will find that they are seriously injuring, instead of bettering, their future prospects in the Department. In order to correct, as far as possible, this evil, the Commissioners have decided that no transfers shall hereafter be made except at the first regular meeting of the Board in January, April, July and October of each year.

In 1867, John Stephenson, Esq., sent to this Department his check for \$250 to be used "in the discretion of this Board for the benefit of the Department." By careful investment this sum has been steadily increased until it now amounts to \$600.

For the purpose of inciting the company commanders to the attainment of the highest standard of discipline and efficiency within their respective commands, the Fire Commissioners have determined to annually present to the Captain who shall be judged most deserving, a handsome gold medal, to be known as the "Stephenson Medal." The presentation will be public, and will be made immediately after the presentation of the "Bennett Medal."

The Captain to be thus honored shall be selected in the following manner: On notice, the several Chiefs of Battalion shall annually forward to the Chief of Department the name of the one Foreman within their respective districts who has proved himself the most efficient and deserving commanding officer. Immediately upon the receipt of the communications from all the Battalion Chiefs, the Chief of Department shall meet with the Assistant and Second Assistant Chief of Department and submit the names which have been forwarded, and

then and there they shall, by a concurrent vote, select, from among said names, the Captain to whom the said medal shall be presented, and report the same to the Board. Should they fail to concur, they shall report to the Board, for its action, the names of the Captains (not exceeding three) whom they may deem most worthy.

LIFE SAVING CORPS AND SCHOOL OF INSTRUCTION.

On the occasion of the parade and presentation of the medals above referred to an exhibition of the proficiency attained by the members of the Life Saving Corps in the use of scaling-ladders and life-lines was given on the Central apartment-house, situated on the southeast corner of Fourth street and South Fifth avenue, opposite Washington Square, by the kind permission of the owner. The various methods of using scaling-ladders in ascending from the ground to the roof, from window to window, of lowering persons by means of life-lines, and of descending, were successfully illustrated in the presence of a large assemblage of spectators. A notable instance of the practical use of the training in the use of these appliances is related under the head of "Meritorious Services," in a preceding part of this report.

Under the rules prescribed, to which reference was made in the report for 1883, one hundred and thirty-five candidates were trained and tested in the School of Instruction, of whom one hundred and twenty-three were found fit for the service, and the remainder, twelve, or .09 per cent., disqualified.

One hundred and eighty-one officers and men were instructed and trained in both classes, being in all two hundred and ninety-four officers and men, including new appointees, who have received this training.

Losses and Insurance.

	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.
Estimated loss—							
On buildings and vessels.....	\$102,194 00	\$24,529 00	\$34,512 00	\$96,677 00	\$53,471 00	\$26,660 00	\$20,302 00
On contents.....	485,302 00	96,506 00	265,555 00	469,533 00	370,000 00	91,232 00	105,844 00
Total.....	\$587,496 00	\$121,035 00	\$300,067 00	\$566,210 00	\$423,471 00	\$117,892 00	\$126,146 00
Estimated insurance—							
On buildings and vessels.....	\$1,667,950 00	\$909,600 00	\$1,274,200 00	\$1,135,730 00	\$800,100 00	\$916,480 00	\$555,990 00
On contents.....	1,369,979 00	664,650 00	1,245,603 00	2,095,099 00	1,099,823 00	1,120,060 00	571,615 00
Total.....	\$3,037,929 00	\$1,574,250 00	\$2,519,803 00	\$3,230,829 00	\$1,899,923 00	\$2,036,540 00	\$1,127,605 00
Estimated uninsured loss—							
On buildings and vessels.....	\$973 00	\$332 00	\$214 00	\$830 00	\$2,467 00	\$2,795 00	\$530 00
On contents.....	12,517 00	8,345 00	1,035 00	7,727 00	23,241 00	11,541 00	2,555 00
Total.....	\$13,490 00	\$8,677 00	\$1,249 00	\$8,557 00	\$25,708 00	\$14,336 00	\$3,085 00
Average loss per fire.....	\$2,378 52	\$637 02	\$1,478 16	\$2,537 66	\$2,232 51	\$524 05	\$716 74

Losses and Insurance—(Continued).

	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.	YEAR.
Estimated loss—						
On buildings and vessels	\$50,433 00	\$32,318 00	\$61,457 00	\$31,659 00	\$113,853 00	\$622,065 00
On contents	151,846 00	97,504 00	282,648 00	176,626 00	266,166 00	2,852,482 00
Total	\$182,279 00	\$129,822 00	\$344,105 00	\$208,285 00	\$380,019 00	\$3,474,547 00
Estimated insurance—						
On buildings and vessels	\$703,300 00	\$553,150 00	\$871,350 00	\$1,385,000 00	\$1,756,550 00	\$12,509,420 00
On contents	773,740 00	746,250 00	1,177,510 00	1,432,100 00	1,393,990 00	13,617,419 00
Total	\$1,477,040 00	\$1,279,400 00	\$2,048,860 00	\$2,817,100 00	\$3,150,540 00	\$26,126,839 00
Estimated uninsured loss—						
On buildings and vessels	\$451 00	\$1,046 00	\$990 00	\$205 00	\$32,761 00	\$43,594 00
On contents	3,380 00	4,015 00	13,965 00	3,579 00	66,967 00	158,867 00
Total	\$3,831 00	\$5,061 00	\$14,955 00	\$3,784 00	\$99,728 00	\$202,461 00
Average loss per fire	\$1,274 67	\$754 78	\$1,882 35	\$1,068 13	\$1,431 27	\$1,444 12

Extent of Loss at Fires.

	JAN.	FEB.	MAR.	APR.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	YEAR.	PERCENTAGE TO WHOLE NUMBER OF FIRES.	LOSS LESS THAN—
Nominal or less than \$10,000	68	57	58	75	76	91	55	45	64	71	55	84	799	.33	
Between \$10 and 50,000	39	36	47	46	44	69	56	36	43	32	40	57	545	.23	\$50 at 1,344 fires.
" 50 " 100,000	25	19	22	21	15	15	12	3	14	14	25	22	207	.09	100 at 1,551 "
" 100 " 1,000,000	63	50	56	42	31	32	34	36	33	42	42	65	536	.21	1,000 at 2,077 "
" 1,000 " 5,000,000	33	22	13	16	11	11	13	15	14	16	26	28	218	.09	5,000 at 2,295 "
" 5,000 " 10,000,000	11	4	2	9	2	3	4	3	..	2	4	3	47	.02	10,000 at 2,342 "
" 10,000 " 20,000,000	4	1	1	5	2	4	1	3	1	..	2	3	27	.01	
" 20,000 " 30,000,000	1	1	1	..	2	..	..	1	3	3	..	1	13		
" 30,000 " 40,000,000	..	..	2	1	1	..	..	..	..	1	..	1	6		
" 40,000 " 50,000,000	1	..	..	1	1	..	..	..	..	..	..	..	3		
" 50,000 " 60,000,000	..	..	..	..	..	..	1	1	..	..	..	..	2		
" 60,000 " 70,000,000	..	..	..	..	1	..	..	..	..	1	1	..	3		
" 70,000 " 80,000,000	1	..	..	..	2	..	..	..	..	..	..	..	3		
" 80,000 " 90,000,000	..	..	..	1	..	..	..	..	..	..	..	..	1		
" 90,000 " 100,000,000	..	..	..	..	..	..	..	..	..	1	..	1	2		
" 100,000 " 125,000,000	..	..	..	..	..	..	..	..	..	..	..	1	1		
" 125,000 " 150,000,000	..	..	1	..	..	..	..	..	..	..	..	..	1		
" 150,000 " 200,000,000	..	..	..	..	..	..	..	..	..	..	..	..	..
" 200,000 " 250,000,000	1	..	..	1	..	..	..	..	..	..	..	..	2		
	247	190	203	218	188	225	176	143	172	183	195	266	2,406		

Strength of Uniformed Force, Number of Fires with Losses, Population, Number of Buildings, etc., from 1866 to 1884.

YEAR.	STRENGTH OF UNIFORMED FORCE.		Number of Fires.	Loss by Fire.	Average Loss per Fire.	Population, Census Years.	Number of Inhabitants to each Fireman.	Number of Inhabitants to each Fire.	Amount of Loss to each Inhabitant.	Number of Buildings.	No. of Buildings to each Fire.
	No. of Companies	No. of Officers and Men.									
1866..	54	* 964	796	\$6,428,000 00	\$8,075 38	‡ 769,533	798	967	\$8 35	\$ 64,000	80
1867..	54	* 919	873	5,711,000 00	6,541 81	.....	....	....	....	.....	..
1868..	52	592	740	4,342,000 00	5,867 57	.....	....	....	....	.....	..
1869..	52	599	850	2,696,393 00	3,172 23	.....	....	....	....	.....	..
1870..	52	596	964	2,120,212 00	2,199 39	942,292	1,581	977	2 25	.....	..
1871..	52	596	1,258	2,127,356 00	1,691 06	.....	....	....	....	.....	..
1872..	52	596	1,649	2,891,818 00	1,753 67	.....	....	....	....	.....	..
1873..	54	651	1,470	4,022,640 00	2,736 48	.....	....	....	....	.....	..
1874..	64	† 712	1,355	1,430,305 00	1,055 58	.....	....	....	....	.....	..
1875..	67	748	1,418	2,472,536 00	1,743 67	1,041,286	1,392	734	2 37	|| 84,200	59
1876..	68	747	1,382	3,851,213 00	2,786 70	.....	....	....	....	.....	..
1877..	65	752	1,450	3,210,695 00	2,214 27	.....	....	....	....	.....	..
1878..	65	727	1,654	1,884,505 00	1,139 36	.....	....	....	....	.....	..
1879..	64	729	1,551	5,671,580 00	3,656 72	.....	....	....	....	.....	..
1880..	65	748	1,783	3,183,440 00	1,785 44	1,206,299	1,613	676	2 64	.....	..
1881..	66	769	1,785	5,820,259 00	3,260 55	.....	....	....	....	.....	..
1882..	67	826	2,001	4,195,960 00	2,096 43	.....	....	....	....	|| 102,624	51
1883..	68	895	2,169	3,512,848 00	1,619 37	.....	....	....	....	|| 101,735	47
1884..	70	919	2,406	3,474,547 00	1,444 12	.....	....	....	....	.....	..
Total, 19 years.	27,554	27,554	\$69,047,308 00	\$2,505 89	.....	....	....	....	....	.....	..

* Includes about 400 volunteer firemen.

† Annexation of territory north and east of Harlem river.

‡ Estimate based on census of 1865.

§ Estimate based on report of Superintendent of Buildings, fourth quarter, 1875, and exclusive of sheds, bridges and piers.

|| Exclusive of sheds, bridges and piers.

Origin and Cause of

ORIGIN.	CAUSE.					
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischievousness.	Maliciousness.	Incendiarism.
<i>In Heating.</i>						
Beams built into chimneys and fire-places ..	..	..	13	..	..	..
Chimneys, fire-places, flues, grates, etc....	..	..	34	..	..	..
Foul chimneys .....	..	211	..	..	..	..
Kerosene oil used in lighting fires.....	..	2	..	..	..	..
Kerosene-oil stoves exploding.....	* 1	..	..	..	..	..
Soot in flues and fire-places igniting wood- } work.....	..	32	..	..	..	..
Sparks from stoves, chimneys, stove-pipes, } etc., igniting woodwork, clothing, etc....	15	15	..	..	..	..
Steam-pipes igniting floor-beams, wood- } work, etc.....	..	7	..	..	..	..
Stoves, boilers, furnaces, stove and heater } pipes igniting bedding, clothing, wood- } work, etc.....	2	131	1	..	..	..
Stoves, furnaces and grates, hot coals fall- } ing from .....	..	15	..	..	..	..
Stoves upsetting	1	7	..	..	..	..
Water-back of range bursting.....	1	..	..	..	..	..
Number of fires.....	20	420	48	..	..	..
Loss.....	\$5,473	\$204,324	\$61,687	..	..	..
<i>In Illuminating.</i>						
Electric-lights, sparks from.....	5	12	..	..	..	..
Gas, explosion of.....	3	1	..	..	..	..
Gas-meters, explosion of.....	1	..	..	..	..	..
Gas escaping and igniting.....	7	25	..	1	..	..
Gas-lights, candles, lamps, etc., igniting } merchandise in stores, show-windows, } and bedding, straw, woodwork, rubbish, } etc.....	7	194	..	..	..	..
Lamps, kerosene-oil, breaking.....	45	7	..	..	..	..
Lamps, kerosene-oil, exploding.....	117	14	..	..	..	..
Lamps, kerosene-oil, falling.....	16	25	..	..	..	..

Fires for the Year.

CAUSE.		PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—												
Not ascertained.	Total.	Dwellings.	Mercantile Establishments. Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Store-houses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Vessels.	Miscellaneous.	Total.	Aggregate Loss to Structures and Contents.
..	13	9	2	..	1	1	..	..	..	..	..	..	13	\$9,245 00
..	34	17	6	3	1	3	..	4	..	..	..	..	34	51,342 00
..	211	187	11	8	..	4	..	..	1	..	..	..	211	125 00
..	2	2	..	..	..	..	..	..	..	..	..	..	2	2,255 00
..	1	..	..	..	..	..	..	..	..	..	..	1	1	50 00
..	32	22	6	4	..	..	..	..	..	..	..	..	32	4,330 00
..	30	15	4	9	..	1	..	..	..	..	..	1	30	15,733 00
..	7	1	..	5	1	..	..	..	..	..	..	..	7	93,579 00
..	134	72	22	27	4	3	..	1	..	1	..	1	134	71,592 00
..	15	10	3	2	..	..	..	..	..	..	..	..	15	22,980 00
..	8	6	1	1	..	..	..	..	..	..	..	..	8	223 00
..	1	1	..	..	..	..	..	..	..	..	..	..	1	30 00
..	488	342	55	59	7	11	1	3	..	2	..	1	488	.....
..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$271,484 00
..	17	3	4	..	..	1	..	..	5	..	..	4	17	\$229 00
..	4	3	1	..	..	..	..	..	..	..	..	..	4	1,145 00
..	1	..	1	..	..	..	..	..	..	..	..	..	1	.....
..	33	8	8	8	..	6	..	1	..	..	..	2	33	2,271 00
..	201	132	36	17	1	4	..	5	1	5	..	..	201	97,688 00
..	52	43	4	4	..	1	..	..	..	..	..	..	52	15,239 00
..	131	107	9	9	2	1	..	..	1	..	2	..	131	42,766 00
..	41	32	3	5	..	..	..	..	..	..	..	1	41	18,739 00

ORIGIN.	CAUSE.					
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischievousness.	Maliciousness.	Incendiarism.
Lamps, kerosene-oil, upsetting.....	9	65	..	..	..	..
Lamps, kerosene-oil, taking fire.....	..	2	..	..	..	..
Matches, lighted tapers, etc., igniting } clothing, woodwork, rubbish, etc..... }	..	95	..	..	..	..
Number of fires.....	210	440	..	I	..	..
Loss.....	\$103,857	\$145,170	..	..	..	..
<i>In Manufacturing and Other Business.</i>						
Alcohol, tar, gum, oils, paints, varnish, } etc., igniting on stoves, furnaces, over } gas-lights, etc..... }	5	32	..	..	..	..
Beams running into chimneys.....	..	..	2	..	..	..
Charcoal fire igniting woodwork.....	..	3	..	..	..	..
Chimneys, flues, etc., heat from igniting } woodwork..... }	..	..	3	..	..	..
Chimneys, flues, etc., soot from igniting } woodwork..... }	..	I	..	..	..	..
Cotton, jute, etc., ignited.....	..	I	..	..	..	..
Chemicals igniting.....	3	..	..	..	..	..
Foul chimneys.....	..	I	..	..	..	..
Friction of machinery.....	9	..	..	..	..	..
Gas-stoves, gas-lights, igniting woodwork, } paper, merchandise, etc..... }	..	6	..	..	..	..
Hams, meats, etc., in ovens and smoke- } houses, igniting..... }	3	I	..	..	..	..
Hot metals igniting woodwork, merchan- } dise, etc..... }	..	5	..	..	..	..
Kerosene-oil stoves bursting, taking fire, etc.	3	I	..	..	..	..
Lamp, alcohol, igniting woodwork.....	..	I	..	..	..	..
Lamp, kerosene, explosion of.....	..	I	..	..	..	..
Lime, slaking of.....	5	..	..	..	..	..
Naphtha and benzine vapor igniting.....	4	12	..	..	..	..
Phosphorus igniting.....	..	I	..	..	..	..
Scenery in theatres igniting from gas-lights, } etc..... }	3	2	..	..	..	..
Sparks from chimneys, forges, furnaces, } engines, steamships, locomotives, etc., } igniting roofs, shavings, woodwork, etc. }	55	19	..	..	..	..

CAUSE.		PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—													
Not ascertained.	Total.	Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Store-houses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Vessels.	Miscellaneous.	Total.	Aggregate Loss to Structures and Contents.
..	74	54	8	7	1	2	..	1	1	..	..	..	..	74	\$5,378 00
..	2	1	1	..	..	..	..	..	..	..	..	..	..	2	200 00
..	95	49	22	13	4	1	..	6	..	..	..	..	..	95	65,372 00
..	651	432	97	63	8	16	..	12	8	6	..	2	7	651	.....
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$249,027 00
..	37	3	2	27	..	2	..	1	..	..	..	..	2	37	\$40,520 00
..	2	..	..	2	..	..	..	..	..	..	..	..	..	2	50 00
..	3	..	..	3	..	..	..	..	..	..	..	..	..	3	4,450 00
..	3	..	..	3	..	..	..	..	..	..	..	..	..	3	200 00
..	1	..	..	..	..	1	..	..	..	..	..	..	..	1	10 00
I	2	..	..	..	..	..	I	..	..	..	..	..	I	2	66,025 00
..	3	..	..	3	..	..	..	..	..	..	..	..	..	3	3,100 00
..	1	..	..	1	..	..	..	..	..	..	..	..	..	1	.....
..	9	..	1	8	..	..	..	..	..	..	..	..	..	9	89,145 00
..	6	..	..	6	..	..	..	..	..	..	..	..	..	6	13,270 00
..	4	..	1	3	..	..	..	..	..	..	..	..	..	4	2,603 00
..	5	..	..	5	..	..	..	..	..	..	..	..	..	5	4,575 00
..	4	..	..	4	..	..	..	..	..	..	..	..	..	4	4 00
..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	.....
..	1	..	..	1	..	..	..	..	..	..	..	..	..	1	125 00
..	5	3	..	..	..	..	..	..	..	..	..	..	2	5	33 00
I	17	2	3	12	..	..	..	..	..	..	..	..	..	17	45,080 00
..	1	..	1	..	..	..	..	..	..	..	..	..	..	1	5 00
..	5	..	..	..	..	..	..	..	5	..	..	..	..	5	1 00
..	74	9	16	30	..	1	1	1	..	..	1	3	12	74	25,802 00

ORIGIN.	CAUSE.					
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischievousness.	Maliciousness.	Incendiarism.
Sparks from telegraph wires.....	4	..	..	..	..	..
Steam-pipes igniting merchandise.....	..	4	..	..	..	..
Spontaneous combustion of oily rags, etc....	5	43	..	..	..	..
Stoves, boilers, furnaces, ovens, etc., igniting merchandise, shavings, etc..... }	5	77	2	..	..	..
Stoves, furnaces, etc., hot coals falling from.	..	6	..	..	..	..
Vitriol, acids, spirits, etc., carboys of, } breaking, or vapor igniting..... }	3	..	..	..	..	..
Workmen burning rubbish.....	1	2	..	..	..	..
Number of fires.....	108	219	7	..	..	..
Loss.....	\$346,987	\$644,574	\$8,900	..	..	..
<i>Miscellaneous.</i>						
Benzine, etc., vapor igniting.....	..	1	..	..	..	..
Bonfires.....	1	1	..	19	..	..
Cigars, pipes, etc., smoking of.....	..	227	..	..	..	..
Cotton igniting.....	..	1	..	..	..	..
Defective flues and chimneys.....	..	..	7	..	..	..
Fat, glue, varnish, etc., taking fire on } stoves, etc..... }	..	8	..	..	..	..
Fire-crackers.....	..	10	..	22	1	..
Fireworks, rockets, etc.....	3	11	..	1	..	..
Foul chimneys.....	..	46	..	..	..	..
Hot ashes igniting woodwork.....	..	36	..	..	..	..
Kerosene oil poured over woodwork and } ignited..... }	..	1	..	..	1	3
Kerosene-oil stoves exploding.....	7	..	..	..	..	..
Kerosene-oil stoves igniting woodwork, etc.	..	2	..	..	..	..
Kerosene-oil stoves upsetting, falling, etc...	1	8	..	..	..	..
Kerosene-oil stoves taking fire, igniting } merchandise, etc..... }	9	5	..	..	..	..
Matches, children playing with.....	..	..	..	85	..	..
Matches gnawed by rats and mice.....	..	9	..	..	..	..

CAUSE.		PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—													
Not ascertained.	Total.	Dwellings.	Mercantile Establishments. Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Store-houses.	Stables.	Places of Amusement. and Recreation. Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Vessels.	Miscellaneous.	Total.	Aggregate Loss to Structures and Contents.		
..	4	..	..	..	I	..	..	..	..	..	3	4	\$90 00		
..	4	..	..	3	..	..	..	..	..	I	..	4	116,005 00		
..	48	3	4	35	I	..	3	..	..	..	..	48	387,321 00		
..	84	II	4	54	..	9	I	..	..	2	I	84	185,075 00		
..	6	..	I	5	..	..	..	..	..	..	..	6	17,060 00		
..	3	..	..	2	..	..	..	..	..	..	I	3	210 00		
..	3	I	..	I	..	..	..	..	..	..	I	3	27 00		
2	336	33	33	208	2	13	6	2	5	2	2	7	23	336	.....
\$325	..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$1,000,786 00
..	I	..	I	..	..	..	..	..	..	..	..	I	..	I	\$20 00
..	21	5	I	4	..	I	..	2	..	..	..	8	21	..	3,501 00
..	227	52	62	73	4	3	..	20	I	I	2	3	6	227	575,663 00
..	I	I	..	..	..	..	..	..	..	..	..	I	..	I	5 00
..	7	6	..	..	..	I	..	..	..	..	..	7	..	7	245 00
..	8	8	..	..	..	..	..	..	..	..	..	8	..	8	185 00
..	33	9	12	4	..	I	..	4	..	..	I	..	2	33	2,600 00
..	15	6	4	I	I	..	..	I	..	..	I	..	1	15	4,217 00
..	46	44	I	..	..	I	..	..	..	..	..	..	..	46	.....
..	36	12	9	12	2	..	..	..	I	..	..	..	..	36	41,374 00
..	5	2	I	..	..	2	..	..	..	..	..	5	..	5	1,575 00
..	7	6	..	I	..	..	..	..	..	..	..	7	..	7	592 00
..	2	2	..	..	..	..	..	..	..	..	..	2	..	2	450 00
..	9	8	I	..	..	..	..	..	..	..	..	9	..	9	257 00
..	14	14	..	..	..	..	..	..	..	..	..	14	..	14	121 00
..	85	75	I	2	..	..	..	4	I	..	..	2	85	..	14,591 00
..	9	5	3	I	..	..	..	..	..	..	..	9	..	9	2,280 00

ORIGIN.	CAUSE.					
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischievousness.	Maliciousness.	Incendiarism.
Matches igniting awnings, straw, rubbish, } woodwork, etc.....	5	170	..	2	3	17
Not ascertained.....	..	..	..	..	..	15
Phosphorus igniting.....	..	2	..	..	..	..
Rekindling of previous fire.....	..	..	..	..	..	..
Set on fire by an insane person	1	..	..	..	2	..
Soot igniting in fire-places and flues .....	..	4	..	..	..	..
Sparks from chimneys, stoves, etc.....	5	2	1	..	..	..
Steam-pipes igniting woodwork.....	..	1	..	..	..	..
Spontaneous combustion of oily rubbish, etc.	4	3	..	..	..	..
Stoves, furnaces, hot coals falling from.....	..	1	..	..	..	..
Stoves, stove-pipes, etc., heat from igniting } woodwork, etc.....	1	8	..	..	..	..
Sulphur igniting clothing.....	..	1	..	..	..	..
Thawing out water-pipes with candles, } lamps, lighted papers, etc .....	..	21	..	..	..	..
Tramps building fires in woods, unoccupied } houses, etc.....	..	1	..	..	..	..
Number of fires.....	37	580	8	129	7	35
Loss	\$8,952	\$700,394	\$250	\$19,115	\$305	\$17,484
<i>Recapitulation.</i>						
In Heating..... {	Number of fires ..	20	420	48	..	..
	Loss	\$5,473	\$204,324	\$61,687	..	..
In Illuminating..... {	Number of fires...	210	440	..	1	..
	Loss.....	\$103,857	\$145,170	..	..	..
In Manufacturing, etc. {	Number of fires...	108	219	7	..	..
	Loss	\$346,987	\$644,574	\$8,900	..	..
In Miscellaneous..... {	Number of fires...	37	580	8	129	7
	Loss	\$8,952	\$700,394	\$250	\$19,115	\$305
Aggregate..... {	Number of fires...	375	1,659	63	130	7
	Loss	\$465,269	\$1,694,462	\$70,837	\$19,115	\$305

CAUSE.		PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—																
Not ascertained.	Total.	Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Store-houses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Vessels.	Miscellaneous.	Total.	Aggregate Loss to Structures and Contents.			
4	201	102	28	41	2	2	1	11	4	2	1	1	6	201	\$59,143 00			
123	138	41	32	54	1	5	..	1	1	1	1	..	1	138	1,219,248 00			
..	2	2	..	..	..	..	..	..	..	..	..	..	..	2	25 00			
8	8	4	1	3	..	..	..	..	..	..	..	..	..	8	255 00			
..	3	3	..	..	..	..	..	..	..	..	..	..	..	3	1,070 00			
..	4	4	..	..	..	..	..	..	..	..	..	..	..	4	32 00			
..	8	6	..	2	..	..	..	..	..	..	..	..	..	8	596 00			
..	1	..	..	1	..	..	..	..	..	..	..	..	..	1	7,826 00			
..	7	2	3	..	..	..	..	..	..	..	..	..	2	7	10,635 00			
..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	5 00			
..	9	8	..	..	..	1	..	..	..	..	..	..	..	9	217 00			
..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	5,500 00			
..	21	13	2	4	..	2	..	..	..	..	..	..	..	21	1,022 00			
..	1	..	1	..	..	..	..	..	..	..	..	..	..	1	.....		
135	931	442	163	203	10	19	1	43	8	4	6	4	28	931	.....		
\$1,206,750	..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$1,953,250 00			
..	488	342	55	59	7	11	1	5	..	2	..	1	5	488	.....		
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$271,484 00			
..	651	432	97	63	8	16	..	12	8	6	..	2	7	651	.....		
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	249,027 00			
2	336	33	33	208	2	13	6	2	5	2	2	7	23	336	.....		
\$325	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,000,786 00			
135	931	442	163	203	10	19	1	43	8	4	6	4	28	931	.....		
\$1,206,750	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,953,250 00			
137	2,406	1,249	348	533	27	59	8	62	21	14	8	14	63	2,406	.....		
\$1,207,075	..	..	..	..	..	..	..	..	..	..	..	..	..	..	\$3,474,547 00			

Origin (Consolidated) and Cause of

ORIGIN, BY MONTHS.	CAUSE.						
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischievousness.	Maliciousness.	Incendurism.	Not ascertained.
<i>In Heating.</i>							
January	4	62	8	..	..	..	74
February	1	47	9	..	..	..	57
March	2	43	3	..	..	..	48
April	5	58	3	..	..	..	66
May	1	46	1	..	..	..	48
June	2	41	1	..	..	..	44
July .....	..	..	..	..	..	..	..
August .....	..	..	..	..	..	..	..
September .....	..	..	..	..	..	..	..
October	2	26	6	..	..	..	34
November	1	40	6	..	..	..	47
December	2	57	11	..	..	..	70
Total	20	420	48	..	..	..	488
<i>In Illuminating.</i>							
January	10	61	..	..	..	..	71
February	20	38	..	..	..	..	58
March	21	43	..	..	..	..	64
April	12	30	..	..	..	..	42
May	24	32	..	..	..	..	56
June	21	42	..	1	..	..	64
July	16	25	..	..	..	..	41
August	16	24	..	..	..	..	40

Fires, by Months, for the Year.

PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—													Aggregate Loss to Structures and Contents.
Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Store-houses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Vessels.	Miscellaneous.	Total.	
51	9	8	..	2	1	1	..	..	..	1	1	74	\$21,447 00
39	6	6	1	3	..	..	..	1	..	..	1	57	18,686 00
27	5	9	3	1	..	1	..	1	..	..	1	48	20,279 00
52	5	7	1	1	..	..	..	..	..	..	..	66	16,480 00
35	3	7	..	3	..	..	..	..	..	..	..	48	91,601 00
36	2	5	..	..	..	..	..	..	..	..	1	44	9,923 00
..
..
..
26	5	2	..	..	..	1	..	..	..	..	..	34	9,846 00
35	5	4	2	..	..	1	..	..	..	..	..	47	9,416 00
41	15	11	..	1	..	1	..	..	..	..	1	70	73,806 00
342	55	59	7	11	1	5	..	2	..	1	5	488	\$271,484 00
50	7	9	1	2	..	2	..	..	..	..	..	71	\$63,889 00
40	10	4	..	2	..	1	1	..	..	..	..	58	13,934 00
51	8	3	..	1	..	1	..	..	..	..	..	64	46,836 00
25	9	4	..	..	..	1	2	..	..	1	..	42	13,733 00
34	9	5	..	2	..	..	1	..	..	..	5	56	6,587 00
41	7	7	2	2	..	2	..	2	..	..	1	64	27,968 00
27	10	4	..	..	..	..	..	..	..	..	..	41	10,967 00
29	4	4	..	2	..	..	1	..	..	..	..	40	15,283 00

ORIGIN, BY MONTHS.	CAUSE.						
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischievousness.	Maliciousness.	Incendiarism.	Not ascertained.
September.....	16	26	..	..	..	..	..
October.....	22	27	..	..	..	..	..
November.....	19	34	..	..	..	..	..
December.....	13	58	..	..	..	..	..
Total.....	210	440	..	1	..	..	..
<i>In Manufacturing and other Business.</i>							
January.....	10	23	2	..	..	..	1
February.....	3	13	..	..	..	..	..
March.....	6	13	1	..	..	..	..
April.....	11	28	..	..	..	..	..
May.....	5	18	..	..	..	..	..
June.....	15	15	1	..	..	..	1
July.....	7	21	1	..	..	..	..
August.....	14	10	..	..	..	..	..
September.....	16	19	..	..	..	..	..
October.....	8	20	1	..	..	..	..
November.....	6	16	..	..	..	..	..
December.....	7	23	1	..	..	..	..
Total.....	108	219	7	..	..	..	2
<i>Miscellaneous.</i>							
January.....	..	46	..	10	..	1	9
February.....	3	37	..	5	1	4	9
March.....	1	43	..	7	..	2	18

PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—													Aggregate Loss to Structures and Contents.
Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Store-houses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Vessels.	Miscellaneous.	Total.	
28	7	3	1	..	..	1	..	1	..	1	..	42	\$5,247 00
29	7	11	..	1	..	..	1	..	..	..	..	49	6,027 00
28	11	6	3	3	..	..	1	..	..	..	1	53	9,104 00
50	8	3	1	1	..	4	1	3	..	..	..	71	29,452 00
432	97	63	8	16	..	12	8	6	..	2	7	651	\$249,027 00
4	3	23	..	1	1	..	..	..	..	1	3	36	\$283,606 00
2	2	10	..	..	1	..	..	1	..	..	..	16	8,207 00
2	2	14	..	..	..	..	1	..	..	..	1	20	39,969 00
3	3	27	..	1	..	1	..	1	..	1	2	39	99,132 00
4	1	13	..	..	1	..	1	..	..	..	3	23	171,002 00
4	4	21	..	1	1	..	..	..	..	..	1	32	33,722 00
1	4	18	1	1	1	..	..	..	..	2	1	29	32,884 00
2	2	16	..	2	..	..	..	..	..	..	2	24	26,468 00
1	6	21	..	2	..	..	1	..	2	..	2	35	47,514 00
3	3	13	1	4	..	1	..	..	..	3	1	29	107,078 00
1	2	15	..	..	1	..	1	..	..	..	2	22	41,572 00
6	1	17	..	1	..	..	1	..	..	..	5	31	109,632 00
33	33	208	2	13	6	2	5	2	2	7	23	336	\$1,000,786 00
28	18	14	..	..	..	3	..	1	..	1	1	66	\$218,554 00
26	11	17	2	..	..	2	..	..	..	..	1	59	80,208 00
29	16	19	2	1	..	2	..	1	1	..	..	71	192,983 00

ORIGIN, BY MONTHS.	CAUSE.						
	Accidental.	Carelessness.	Defective Buildings and Construction.	Mischievousness.	Maliciousness.	Incendiarism.	Not ascertained.
April.	1	38	..	12	1	5	14
May.	5	34	..	13	..	1	8
June.	5	45	..	23	1	..	11
July.	6	74	2	14	1	2	7
August.	4	56	2	4	..	2	11
September.	3	61	4	10	..	5	12
October.	5	38	..	13	..	4	11
November.	2	49	..	9	1	4	8
December.	2	59	..	9	2	5	17
Total.	37	580	8	129	7	35	135
<i>Recapitulation.</i>							
In Heating.	20	420	48	..	..	..	..
In Illuminating.	210	440	..	1	..	..	..
In Manufacturing and other } Business.	108	219	7	..	..	..	2
Miscellaneous.	37	580	8	129	7	35	135
Total.	375	1,659	63	130	7	35	137
							2,406

PREMISES WHEREIN FIRE ORIGINATED OCCUPIED AS—													Aggregate Loss to Structures and Contents.
Dwellings.	Mercantile Establishments.	Manufactories and Workshops.	Offices.	Restaurants and Saloons.	Store-houses.	Stables.	Places of Amusement and Recreation.	Religious and Educational Institutions.	Lumber, Coal and Wood Yards.	Vessels.	Miscellaneous.	Total.	
32	13	18	1	1	..	2	..	1	..	..	3	71	\$423,865 00
30	8	13	1	1	..	5	..	..	..	..	3	61	154,281 00
39	13	17	..	2	..	6	2	..	..	1	5	85	46,299 00
59	24	15	..	1	..	3	..	..	2	..	2	106	82,295 00
43	18	11	..	2	..	4	..	..	..	..	1	79	140,528 00
54	7	20	1	3	..	4	1	..	1	..	4	95	77,061 00
26	9	17	2	1	1	5	2	..	2	1	5	71	221,154 00
33	15	17	1	2	..	1	..	..	..	1	3	73	148,193 00
43	11	25	..	5	..	6	3	1	..	..	..	94	167,829 00
442	163	203	10	19	1	43	8	4	6	4	28	931	\$1,953,250 00
342	55	59	7	11	1	5	..	2	..	1	5	488	\$271,484 00
432	97	63	8	16	..	12	8	6	..	2	7	651	249,027 00
33	33	208	2	13	6	2	5	2	2	7	23	336	1,000,786 00
442	163	203	10	19	1	43	8	4	6	4	28	931	1,953,250 00
1,249	348	533	27	59	8	62	21	14	8	14	63	2,406	\$3,474,547 00

ORIGIN OF FIRES BY DISTRICTS AND MONTHS.

First District—Part of City lying south of Chambers Street.

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				Loss.	
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.				
January	3	..	..	3	2	2	..	4	..	5	1	6	1	6	1	8	9	13	2	21	\$6,500 00	\$21,170 00
February...	1	3	..	4	1	1	..	2	..	6	..	6	1	3	..	4	3	13	..	16	1,860 00	7,970 00
March.....	..	2	..	2	..	4	..	4	..	3	..	3	..	8	..	8	..	17	..	17	6,447 00	56,473 00
April .....	..	2	..	2	..	1	..	1	1	5	..	6	..	4	2	6	1	12	2	15	4,870 00	43,582 00
May	1	3	..	4	1	..	..	1	..	1	..	1	1	3	..	4	3	7	..	10	12,317 00	143,878 00
June . ....	..	1	..	1	1	4	..	5	..	5	..	5	..	4	1	5	1	14	1	16	4,815 00	46,930 00
July.....	..	..	..	..	2	2	..	4	..	6	1	7	1	5	1	7	3	13	2	18	1,425 00	21,395 00
August.....	..	..	..	..	..	1	..	1	..	1	..	1	2	2	..	4	2	4	..	6	3,125 00	21,890 00
September..	..	..	..	..	..	3	..	3	..	5	..	5	..	6	..	6	..	14	..	14	2,340 00	8,175 00
October ....	..	1	..	1	..	4	..	4	..	3	..	3	..	8	..	8	..	16	..	16	445 00	2,508 00
November..	..	2	..	2	..	3	..	3	..	4	..	4	1	5	1	7	1	14	1	16	8,380 00	34,739 00
December ..	..	6	..	6	1	3	..	4	..	3	..	3	..	6	..	6	1	18	..	19	6,505 00	69,355 00
Total...	5	20	..	25	8	28	..	36	1	47	2	50	7	60	6	73	21	155	8	184	\$59,029 00	\$478,065 00

Number of buildings in district, as per report for 1883—
Dwellings 1,128
Business 3,928
Total..... 5,056

Number of fires in dwellings..... 21
Number of fires in business buildings 155
Total fires in buildings..... 176

Number of dwellings to each fire... 54
Number of business places to each fire 25
Number of buildings to each fire.... 29

Second District — Part of City lying between Chambers and Houston Streets, west of West Broadway and South Fifth Avenue.

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				Loss.	
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.				
January	2	..	..	2	..	..	..	..	2	..	..	2	3	2	1	6	\$530 00	\$7,519 00	\$8,049 00
February...	2	1	..	3	..	..	..	..	..	..	..	3	2	4	..	6	3,400 00	10,550 00	13,950 00
March.....	..	..	..	..	..	..	..	1	..	1	..	4	3	2	..	5	185 00	705 00	890 00
April.....	2	..	..	2	..	..	..	1	..	1	..	1	2	2	..	4	1,250 00	6,800 00	8,050 00
May.....	1	..	..	1	3	2	5	..	..	..	..	..	4	2	..	6	100 00	160 00	260 00
June	2	1	..	3	1	1	2	..	1	1	1	3	4	4	1	9	645 00	1,450 00	2,095 00			
July.....	..	..	..	..	1	1	..	2	..	2	1	3	3	4	1	8	45 00	45 00	90 00
August.....	..	..	..	..	1	..	1	..	1	..	..	1	3	..	..	3	500 00	475 00	975 00
September..	..	..	..	..	3	1	4	..	2	2	..	6	7	5	..	12	1,680 00	4,610 00	6,290 00
October....	2	..	..	2	2	..	..	1	..	1	..	1	4	2	..	6	6,010 00	57,030 00	63,040 00
November..	1	..	..	1	1	1	2	1	..	..	..	1	5	1	7	11	2,485 00	17,180 00	19,665 00
December ..	1	1	..	2	..	1	1	..	2	..	..	2	3	2	..	5	60 00	130 00	190 00	
Total...	13	3	..	16	12	7	19	2	9	2	13	15	16	2	33	42	\$16,890 00	\$106,654 00	\$123,544 00			

Number of buildings in district, as per report for 1889—
 Dwellings..... 2,592
 Business..... 1,011
 Total..... 3,603

Number of dwellings to each fire.... 62
 Number of business places to each fire 29
 Total..... 77
 Number of buildings to each fire.... 47

Third District—Between Chambers and Houston Streets, West Broadway and South Fifth Avenue, and Crosby, Elm and Centre Streets.

MONTHS.	IN HEATING.			IN ILLUMINATING.			IN MANUFACTURING AND OTHER BUSINESS.			MISCELLANEOUS.			NUMBER OF FIRES.			Loss.	
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Buildings.	Contents.
January	3	..	3	..	..	..	..	..	..	2	..	..	10	..	10	15	15
February ...	..	2	..	2	3	..	..	..	..	1	..	4	4	2	10	12	12
March	1	..	..	..	..	..	..	..	..	..	..	5	5	1	5	6	6
April .....	..	..	..	..	1	..	..	..	..	..	..	5	5	..	6	6	6
May	1	..	..	2	2	..	..	..	..	1	..	1	1	1	4	5	5
June .....	..	..	..	..	..	2	..	2	1	2	..	3	3	1	4	5	5
July .....	..	..	..	3	3	..	..	2	..	2	..	3	3	..	8	8	8
August .....	..	..	..	2	2	1	..	1	..	1	..	3	3	..	6	9	9
September..	..	..	..	1	1	1	..	1	1	2	..	3	3	2	3	5	5
October	1	..	1	2	2	3	..	3	..	5	..	5	5	1	10	11	11
November..	2	2	2	2	2	2	..	2	..	5	..	5	5	..	11	11	11
December ..	5	5	2	2	..	..	..	..	1	5	..	6	6	3	10	13	13
Total....	3	12	15	5	15	15	20	15	15	3	50	53	11	92	103	103	103
																\$39,140 00	\$665,013 00

Number of buildings in district, as per report for 1883—
Dwellings..... 390
Business..... 1,366

Number of fires in dwellings..... 11
Number of fires in business buildings 92

Number of dwellings to each fire.... 35
Number of business places to each fire 14

Total..... 1,696

Total fires in buildings..... 103

Number of buildings to each fire.... 16

Fourth District—Part of City lying between Chambers and Houston Streets, east of Crosby, Elm and Centre Streets.

MONTHS.	IN HEATING.			IN ILLUMINATING.			IN MANUFACTURING AND OTHER BUSINESS.			MISCELLANEOUS.			NUMBER OF FIRES.			Loss.	
	Dwellings.	Other Places.	Total.	Dwellings.	Other Places.	Total.	Dwellings.	Other Places.	Total.	Dwellings.	Other Places.	Total.	Business.	Other Places.	Total.	Buildings.	Contents.
January....	8	5	14	18	4	22	..	..	4	6	7	14	32	20	54	\$36,719 00	\$245,483 00
February...	5	4	9	22	3	25	..	..	..	7	8	15	34	15	49	4,475 00	33,843 00
March.....	8	3	11	28	3	31	..	..	..	11	8	19	47	14	61	3,807 00	15,000 00
April.....	9	3	12	4	4	8	..	8	8	8	10	18	21	25	46	9,285 00	49,655 00
May.....	9	2	11	8	4	12	..	4	1	9	8	17	26	18	45	2,265 00	13,397 00
June.....	10	4	14	11	4	15	1	1	1	12	4	17	34	17	51	5,817 00	9,153 00
July.....	..	..	..	9	2	11	..	3	3	15	12	27	24	17	41	3,559 00	11,770 00
August.....	..	..	..	15	3	18	..	2	2	14	15	29	29	20	49	9,565 00	27,421 00
September..	..	..	..	12	4	17	..	6	6	19	5	24	31	15	47	4,022 00	16,193 00
October....	4	2	6	14	5	19	..	1	1	6	12	18	30	14	46	5,455 00	11,731 00
November..	13	1	14	13	5	19	..	6	1	7	10	16	32	22	56	4,075 00	18,977 00
December..	8	8	16	16	6	22	2	4	6	12	10	22	38	28	66	6,922 00	22,312 00
Total....	74	32	107	170	47	217	3	47	54	131	99	233	378	225	603	\$89,946 00	\$474,935 00

Number of buildings in district, as per report for 1883—
Dwellings..... 9,957
Business..... 2,954
Total..... 12,911

Number of fires in dwellings..... 378
Number of fires in business buildings 225
Total fires in buildings..... 603

Number of dwellings to each fire.... 26
Number of business places to each fire 13
Number of buildings to each fire... 21

Fifth District—Part of City lying between Houston and Twenty-third Streets.

MONTHS.	IN HEATING.			IN ILLUMINATING.			IN MANUFACTURING AND OTHER BUSINESS.			MISCELLANEOUS.			NUMBER OF FIRES.			LOSS.	
	Dwellings.	Business.	Total.	Dwellings.	Business.	Total.	Dwellings.	Business.	Total.	Dwellings.	Business.	Total.	Dwellings.	Business.	Total.	Buildings.	Contents.
January	17	8	25	11	8	19	2	6	8	8	5	13	38	27	59	\$3,947 00	\$16,426 00
February ...	8	2	10	7	8	15	1	2	3	5	7	12	21	19	41	3,912 00	8,705 00
March	6	8	14	8	2	10	1	2	3	7	9	16	22	21	43	16,239 00	121,196 00
April	13	5	18	5	5	11	..	4	5	6	5	11	24	19	45	49,882 00	54,034 00
May	8	3	11	10	5	15	1	3	5	4	5	10	23	16	45	5,881 00	58,668 00
June	11	1	12	5	4	9	..	5	7	8	12	20	26	22	49	3,513 00	11,485 00
July .....	..	..	..	6	5	11	..	8	5	13	11	24	19	21	40	2,733 00	10,935 00
August .....	..	..	..	5	3	8	..	8	8	9	8	18	14	19	34	4,085 00	61,648 00
September...	..	..	..	4	4	8	..	5	5	19	6	26	23	15	39	1,715 00	3,870 00
October	8	3	11	4	5	9	1	6	9	6	9	19	19	23	6	9,530 00	36,419 00
November ..	8	5	13	3	7	10	..	5	5	6	6	12	17	23	40	6,332 00	18,836 00
December ..	12	4	16	10	2	12	1	5	6	8	13	21	31	24	55	36,862 00	63,289 00
Total....	91	39	130	78	58	142	9	56	69	99	96	203	277	249	544	\$144,631 00	\$465,511 00

Number of buildings in district, as per report for 1885—
Dwellings.....16,301
Business.....4,533

Number of fires in dwellings..... 277
Number of fires in business buildings. 219

Number of dwellings to each fire..... 59
Number of business places to each fire 18

Total.....20,834

Total fires in buildings..... 596

Number of buildings to each fire..... 40

Sixth District—Part of City lying between Twenty-third and Fifty-ninth Streets.

MONTHS.	IN HEATING.			IN ILLUMINATING.			IN MANUFACTURING AND OTHER BUSINESS.			MISCELLANEOUS.			NUMBER OF FIRES.			LOSS.	
	Dwellings.	Business.	Total.	Dwellings.	Business.	Total.	Dwellings.	Business.	Total.	Dwellings.	Business.	Total.	Dwellings.	Business.	Total.	Buildings.	Contents.
January....	17	2	19	11	6	17	1	5	6	9	4	10	35	17	52	\$49,688 00	\$70,611 00
February....	11	3	14	7	1	8	..	4	7	4	4	11	25	12	37	3,597 00	10,572 00
March.....	4	4	8	8	2	10	..	7	2	7	7	9	14	20	34	1,622 00	11,189 00
April.....	15	2	17	13	3	16	1	5	6	10	5	16	39	15	54	7,404 00	27,139 00
May.....	10	5	15	7	2	9	1	4	6	11	6	17	29	17	46	12,761 00	41,005 00
June.....	9	..	9	14	7	21	..	7	7	10	9	19	33	23	56	3,251 00	8,751 00
July.....	..	..	..	7	1	8	..	5	5	8	8	16	15	14	29	2,255 00	3,581 00
August.....	..	..	..	4	2	6	1	5	7	10	5	15	15	12	27	6,820 00	16,341 00
September..	..	..	..	6	1	7	1	4	5	5	10	18	12	15	30	4,886 00	24,716 00
October.....	5	2	7	5	4	9	1	1	2	3	8	12	14	15	30	29,810 00	106,981 00
November..	7	2	9	3	3	6	..	2	2	11	3	15	21	10	32	6,325 00	8,249 00
December..	12	3	15	13	5	18	2	7	9	6	8	14	33	23	56	46,555 00	85,514 00
Total....	90	23	114	98	37	135	8	56	66	89	77	172	285	193	487	\$172,094 00	\$414,549 00

Number of buildings in district, as per report for 1883—
Dwellings.....21,273
Business.....5,230

Number of fires in dwellings..... 285
Number of fires in business buildings, 193

Number of dwellings to each fire.... 75
Number of business places to each fire 27

Total.....26,503

Total fires in buildings..... 478

Number of buildings to each fire.... 55

Seventh District—Part of City lying between Fifty-ninth and One Hundred and Tenth Streets, west of Fifth Avenue.

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.	
	Dwellings.	Other Places.	Total.		Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.								
January ....	..	..	..	1	..	..	..	..	..	1	..	1	20 00	\$150 00	\$170 00					
February ..	2	1	3	1	..	..	..	1	3	1	1	5	18 00	2,550 00	4,400 00					
March .....	..	..	..	..	1	..	1	..	..	1	..	1	2,600 00	26,400 00	29,000 00					
April.....	1	..	2	..	..	..	..	..	1	1	..	2	300 00	530 00	830 00					
May.....	1	..	1	..	1	..	..	1	2	..	..	2	1,750 00	200 00	1,950 00					
June	1	..	1	1	..	..	..	..	1	1	..	2	.....	1 00	1 00					
July .....	..	..	..	..	..	..	..	..	1	..	..	1	.....	10 00	10 00					
August .....	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
September..	..	..	..	..	..	1	..	1	..	1	..	..	200 00	350 00	550 00					
October	1	..	1	..	..	..	..	..	..	1	..	1	5 00	.....	5 00					
November..	1	..	1	..	..	..	..	..	..	..	..	..	100 00	.....	100 00					
December ..	..	1	1	1	..	..	..	..	3	1	..	4	35 00	352 00	387 00					
Total....	7	1	10	1	3	2	..	3	5	1	..	6	\$6,860 00	\$30,513 00	\$37,403 00							

Number of buildings in district, as per report for 1883—
Dwellings 2,347
Business 802
Total..... 3,149

Number of fires in dwellings 14
Number of fires in business buildings 7
Total fires in buildings..... 21

Number of dwellings to each fire.... 168
Number of business places to each fire 115
Number of buildings to each fire..... 150

Eighth District—Part of City lying between Fifty-ninth and One Hundred and Tenth Streets, east of Fifth Avenue.

MONTHS.	IN HEATING.			IN ILLUMINATING.			IN MANUFACTURING AND OTHER BUSINESS.			MISCELLANEOUS.			NUMBER OF FIRES.			Loss.						
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.							
January	2	..	2	6	..	..	..	..	1	3	..	4	9	3	..	12	\$955 00	\$1,065 00	\$2,920 00
February...	5	1	6	1	..	..	..	..	1	2	..	3	7	3	..	10	680 00	2,202 00	2,882 00
March.....	2	2	1	5	4	2	..	2	4	1	..	5	10	7	1	18	397 00	738 00	1,045 00			
April	3	..	3	3	2	..	3	..	3	4	2	6	10	7	..	17	1,766 00	4,884 00	6,650 00			
May	2	..	2	2	1	..	3	1	2	1	1	2	5	3	1	9	430 00	840 00	1,270 00			
June .....	..	..	..	5	6	1	..	2	3	..	3	6	8	3	3	14	100 00	227 00	327 00
July.....	..	..	..	2	2	..	2	..	2	9	4	14	11	6	1	18	170 00	848 00	1,018 00
August.....	..	..	..	3	..	..	2	2	2	3	1	4	6	3	..	9	3,275 00	7,835 00	11,110 00
September..	..	..	..	..	..	1	1	2	2	2	..	4	2	3	1	6	1,600 00	2,000 00	3,600 00
October	1	..	1	3	..	2	2	2	2	1	..	1	4	3	..	7	395 00	542 00	937 00			
November..	..	..	..	5	..	..	..	..	5	1	..	6	10	1	..	11	765 00	1,425 00	2,190 00
December ..	2	1	3	6	..	2	2	2	7	5	..	12	15	8	..	23	2,715 00	8,031 00	10,746 00			
Total....	17	4	1	22	40	6	..	46	1	17	19	39	23	5	67	97	50	7	154	\$13,158 00	\$31,537 00	\$44,695 00

Number of buildings in district, as per report for 1883—
Dwellings 8,775
Business 1,673
Total..... 10,448

Number of fires in dwellings..... 97
Number of fires in business buildings 50
Total fires in buildings 147

Number of dwellings to each fire... 90
Number of business places to each fire 33
Number of buildings to each fire... 71

Ninth District—Part of City lying between One Hundred and Tenth Street and Harlem River, west of Eighth Avenue.

MONTHS.	IN HEATING.			IN ILLUMINATING.			IN MANUFACTURING AND OTHER BUSINESS.			MISCELLANEOUS.			NUMBER OF FIRES.			Loss.	Total.
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.		
January.....	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	4	\$528 00
February. . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
March	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	42 00
April.....	2	..	1	3	..	..	..	..	..	..	..	..	2	1	1	4	35 00
May.....	1	..	..	1	..	..	..	..	..	..	..	..	1	..	..	2	2 00
June .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
July.....	..	..	..	..	1	..	..	..	..	..	..	..	2	..	..	2	545 00
August.....	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	3	6,420 00
September. .	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	2	460 00
October .....	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	3	625 00
November. .	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	4,007 00
December ..	1	..	..	1	..	..	..	..	..	..	..	..	3	3	1	7	17,075 00
Total...	5	..	..	5	3	3	7	13	10	2	3	15	20	6	10	36	\$529,539 00

Number of buildings in district, as per report for 1883—
Dwellings..... 1,660
Business..... 1,291
Total..... 2,951

Number of fires in dwellings..... 20
Number of fires in business buildings. 6
Total fires in buildings..... 26

Number of dwellings to each fire 83
Number of business places to each fire 215
Number of buildings to each fire 114

Tenth District—Part of City lying between One Hundred and Tenth Street and Harlem River, east of Eighth Avenue.

MONTHS.	IN HEATING.			IN ILLUMINATING.			IN MANUFACTURING AND OTHER BUSINESS.			MISCELLANEOUS.			NUMBER OF FIRES.			LOSS.		
	Dwellings.	Business.	Other Places.	Dwellings.	Business.	Other Places.	Dwellings.	Business.	Other Places.	Dwellings.	Business.	Other Places.	Dwellings.	Business.	Other Places.	Buildings.	Contents.	Total.
	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.	Total.
January ....	..	1	..	1	..	..	2	3	..	3	..	..	3	3	4	7	\$981 00	\$7,062 00
February. ..	3	1	..	1	..	..	..	3	1	4	..	..	6	3	..	9	2,228 00	4,657 00
March	3	..	..	3	..	..	1	1	..	2	1	..	8	2	..	10	302 00	782 00
April.....	3	1	..	..	..	..	2	3	2	5	7	4	..	4	..	11	3,553 00	4,927 00
May .....	..	..	..	..	..	..	1	2	2	4	4	4	4	4	1	9	65 00	420 00
June	3	1	4	3	..	..	..	2	5	7	8	5	1	5	14	74 00	57 00	131 00
July.....	..	..	..	..	..	..	..	6	1	7	6	1	..	7	7	1,310 00	640 00	1,950 00
August .....	..	..	..	..	..	..	1	3	1	4	3	2	1	6	6	718 00	2,185 00	2,903 00
September..	..	..	..	1	..	..	1	6	1	4	2	8	1	11	11	14,645 00	34,528 00	49,173 00
October	4	..	..	..	..	..	1	2	3	7	8	3	2	13	13	502 00	3,430 00	3,932 00
November..	4	..	..	5	..	..	..	3	1	4	9	3	1	13	13	232 00	235 00	467 00
December ..	..	..	..	2	..	..	1	1	..	1	4	..	..	4	4	216 00	10 00	226 00
Total....	20	3	1	24	13	6	11	31	19	52	68	39	7	114	114	\$25,004 00	\$51,626 00	\$76,630 00

Number of buildings in district, as per report for 1883—	68	Number of dwellings to each fire...	88
Dwellings	6,016	Number of business places to each fire	34
Business	1,336		
Total.....	7,352	Number of buildings to each fire....	69
		Total fires in buildings.....	107

Eleventh District—Part of City lying between Harlem and East Rivers, Kingsbridge Road, etc., and Bronx River.

MONTHS.	IN HEATING.			IN ILLUMINATING.			IN MANUFACTURING AND OTHER BUSINESS.			MISCELLANEOUS.			NUMBER OF FIRES.			LOSS.	
	Dwellings.	Business.	Total.	Dwellings.	Business.	Total.	Dwellings.	Business.	Total.	Dwellings.	Business.	Total.	Dwellings.	Business.	Total.	Buildings.	Contents.
January....	2	2	4	1	..	1	..	1	1	1	..	1	4	3	7	\$3,034 00	\$3,383 00
February...	1	..	1	..	..	..	..	..	1	..	..	1	2	1	3	812 00	200 00
March.....	2	1	3	..	..	..	..	..	2	2	2	2	2	3	5	100 00	370 00
April.....	3	..	3	..	..	..	4	1	5	1	2	3	4	6	11	3,312 00	745 00
May.....	1	..	1	1	..	1	1	..	1	3	2	5	5	3	8	17,630 00	109,797 00
June.....	..	..	..	..	..	..	..	..	2	3	..	5	2	3	5	7,530 00	9,408 00
July.....	..	..	..	..	..	1	1	1	1	2	..	2	2	..	3	110 00	50 00
August.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....
September..	..	..	..	1	..	1	..	..	..	1	..	1	2	..	2	.....	152 00
October.....	..	..	..	1	1	1	1	..	1	..	..	..	1	1	2	5 00	20 00
November..	1	..	1	1	..	1	..	..	..	1	1	1	2	1	3	1,000 00	500 00
December..	5	..	5	2	2	2	2	1	3	1	1	2	6	5	12	398 00	182 00
Total....	15	3	18	5	2	7	10	3	13	12	11	23	32	26	61	\$33,931 00	\$124,807 00

Number of buildings in district, as per report for 1883—
Dwellings..... 5,800
Business..... 3,700
Total..... 9,500

Number of fires in dwellings..... 32
Number of fires in business buildings..... 26
Total fires in buildings..... 58

Number of dwellings to each fire.... 181
Number of business places to each fire 142
Number of buildings to each fire.... 164

Twelfth District—Part of City lying north of Spuyten Duyvil Creek and Kingsbridge Road, etc.

MONTHS.	IN HEATING.				IN ILLUMINATING.				IN MANUFACTURING AND OTHER BUSINESS.				MISCELLANEOUS.				NUMBER OF FIRES.				LOSS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.	Total.				
January	1	..	..	..	..	..	..	..	2	\$400 00	\$200 00	\$600 00				
February...	1	..	..	..	..	..	..	..	..	..	..	..
March				
April	1	..	..	..	..	..	..	..	1	..	..	..	
May				
June.....				
July.....				
August.....				
September..				
October				
November..				
December				
Total...	2	..	..	..	..	..	..	..	..	..	..	..

Number of buildings in district, as per report for 1883—	Number of fires in dwellings.....	Number of dwellings to each fire....
Dwellings..... 862	Number of fires in business buildings.....	Number of business places to each fire 768
Business..... 798		
Total..... 1,650	Total fires in buildings.....	Number of buildings to each fire....1,630

Thirteenth District—Governor's, Bedloe's, Ellis's, Blackwell's, Ward's, Randall's and North Brothers' Islands.

MONTHS.	IN HEATING.			IN ILLUMINATING.			IN MANUFACTURING AND OTHER BUSINESS.			MISCELLANEOUS.			NUMBER OF FIRES.			Loss.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Buildings.	Contents.
January....	2	..	..	2	..	..	..	..	1	..	..	1	1	..	..	1	\$50 00	.....
February...	1	..	..	1	1	..	..	..	..	..	..	..	..	..	..	2	.....	\$75 00
March.....	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	.....	.....
April.....	1	..	..	1	..	..	..	..	1	..	..	..	1	..	..	1	250 00	10 00
May.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....
June.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....
July.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....
August.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....
September..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....
October....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....
November..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....
December..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....
Total....	2	..	..	2	1	..	..	1	1	..	..	1	4	..	..	4	\$300 00	\$85 00

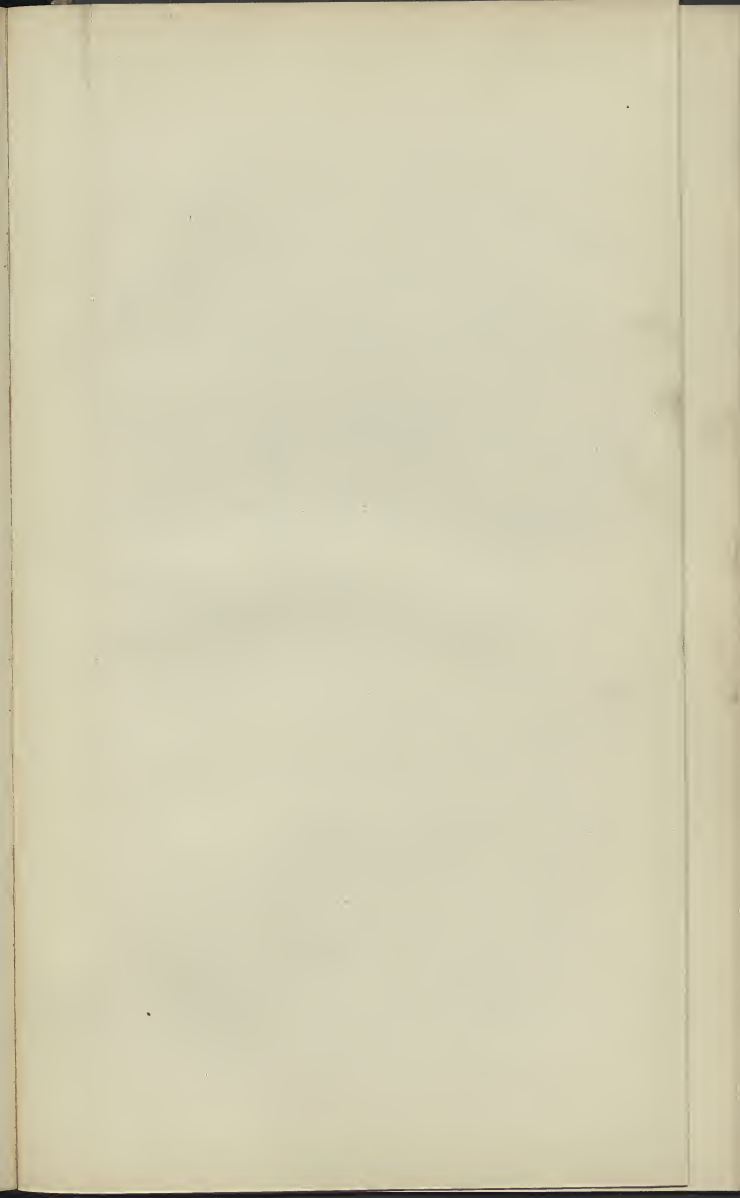
Number of buildings in district, as per report for 1883—		Number of fires in dwellings.....	4	Number of dwellings to each fire....	34
Dwellings.....	134	Number of fires in business buildings ..	..	Number of business places to each fire ..	..
Business.....	184				
Total.....	318	Total fires in buildings.....	4	Number of buildings to each fire....	80

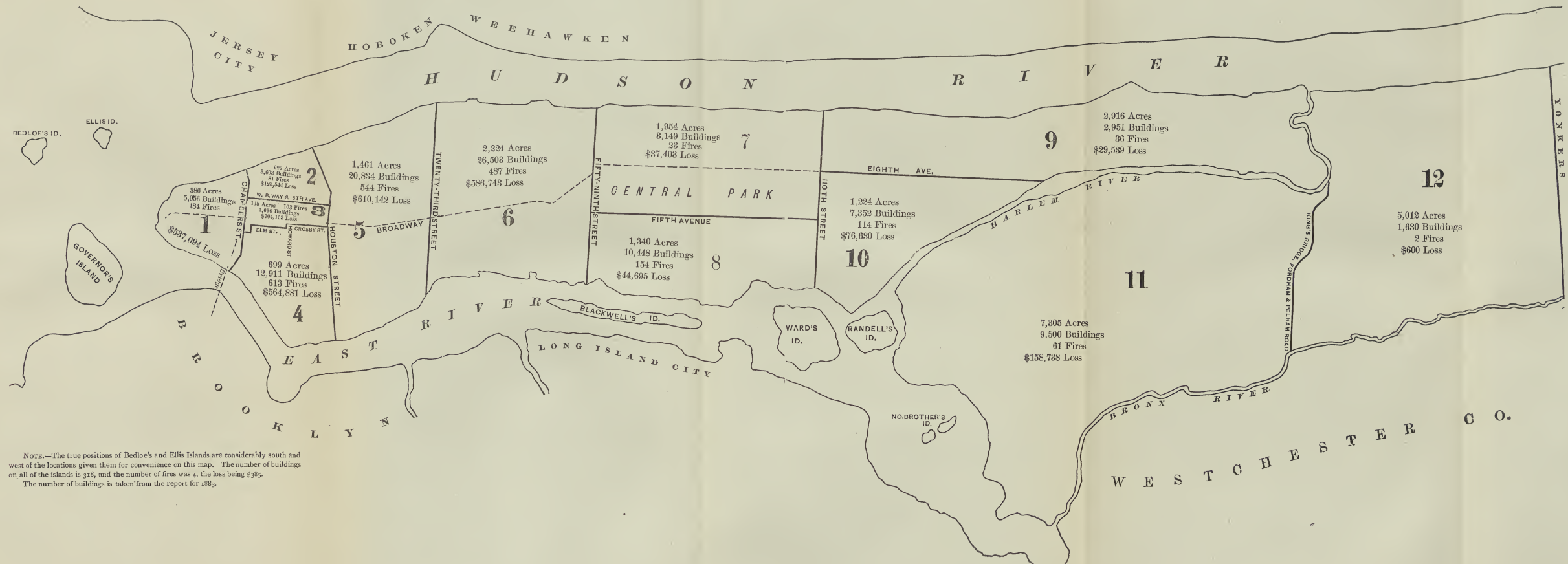
RECAPITULATION—ORIGIN OF FIRES BY DISTRICTS.

DISTRICTS.	IN HEATING.			IN ILLUMINATING.			IN MANUFACTURING AND OTHER BUSINESS.			MISCELLANEOUS.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Business.	Other Places.	Total.
First	5	20	..	25	8	28	..	36	1	47	2	50
Second	13	3	..	16	12	7	..	19	2	9	2	13
Third	3	12	..	15	5	15	..	20	..	15	..	15
Fourth	74	32	1	107	170	47	2	219	3	47	4	54
Fifth	91	39	..	130	78	58	6	142	9	56	4	69
Sixth	90	23	1	114	98	37	..	135	8	56	2	66
Seventh	7	1	2	10	1	3	..	4	1	2	..	3
Eighth	17	4	1	22	40	6	..	46	1	17	1	19
Ninth	5	..	..	5	2	1	..	3	3	3	7	13
Tenth	20	3	1	24	13	6	1	20	4	11	3	18
Eleventh	15	3	..	18	5	2	..	7	..	10	3	13
Twelfth .....	..	..	..	..	..	..	..	..	..	1	1	2
Thirteenth	2	..	..	2	..	..	..	..	1	..	..	1
Total	342	140	6	488	432	210	9	651	33	274	29	336
									442	454	35	931

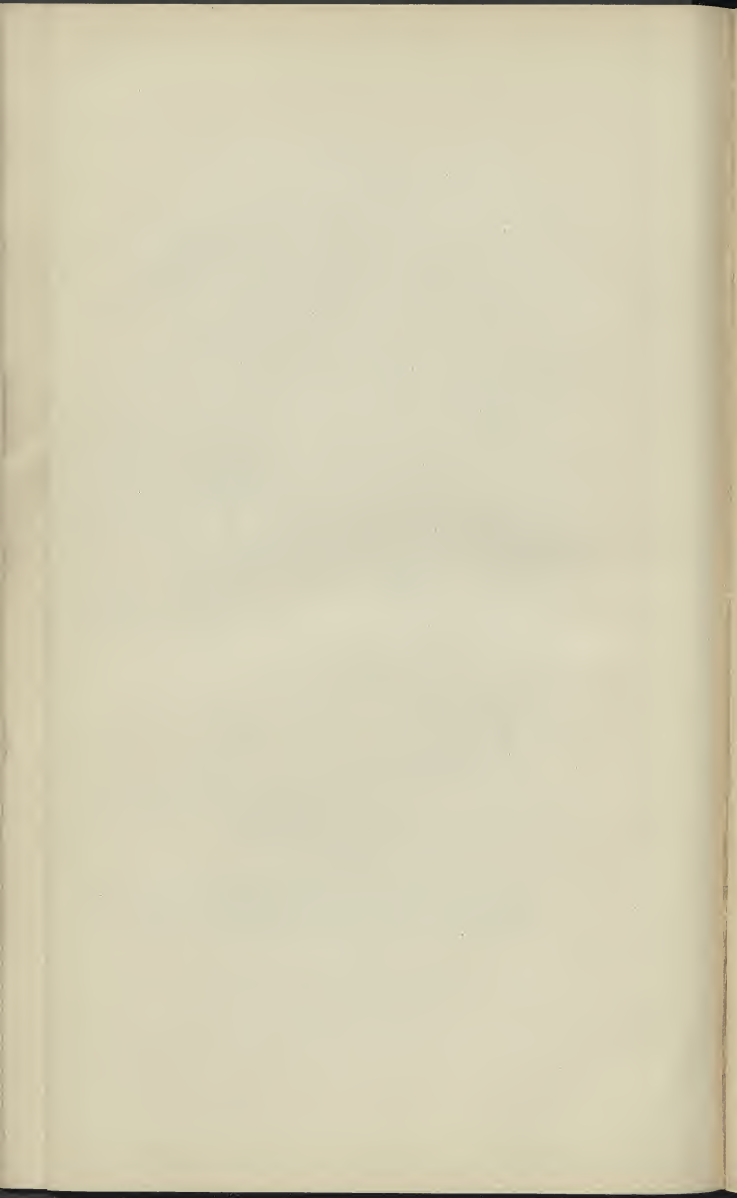
RECAPITULATION—ORIGIN OF FIRES BY DISTRICTS—(Continued).

Districts.	NUMBER OF FIRES.			NUMBER OF BUILDINGS, AS PER REPORT FOR 1883.			AVERAGE NUMBER OF BUILDINGS TO EACH FIRE.			Loss.		
	Dwellings.	Business.	Other Places.	Total.	Dwellings.	Buildings, etc.	Total.	Dwellings.	Business, etc.	Total.	Buildings.	Contents.
First	21	155	8	184	1,128	3,928	5,056	54	25	29	\$59,039 00	\$478,065 00
Second	42	35	4	81	2,592	1,011	3,603	62	29	47	16,890 00	106,654 00
Third	11	92	..	103	390	1,306	1,696	35	14	16	39,140 00	665,013 00
Fourth	378	225	10	613	9,957	2,954	12,911	26	13	21	89,946 00	474,035 00
Fifth	277	249	18	544	16,301	4,533	20,834	59	18	40	144,631 00	465,511 00
Sixth	285	193	9	487	21,273	5,230	26,503	75	27	55	172,094 00	414,649 00
Seventh	14	7	2	23	2,347	802	3,149	168	115	150	6,860 00	30,543 00
Eighth	97	50	7	154	8,775	1,673	10,448	90	32	71	13,158 00	31,537 00
Ninth	20	6	10	36	1,660	1,291	2,951	83	215	114	20,682 00	8,857 00
Tenth	68	39	7	114	6,016	1,336	7,352	88	34	69	25,004 00	51,636 00
Eleventh	32	26	3	61	5,800	3,700	9,500	181	142	164	35,931 00	124,807 00
Twelfth .....	..	1	1	2	862	768	1,630	...	768	1,630	400 00	200 00
Thirteenth	4	..	..	4	134	184	318	34	...	80	300 00	85 00
Total	1,249	1,078	79	2,406	77,235	28,716	105,951	62	27	44	\$621,065 00	\$2,832,482 00
												\$3,471,547 00





NOTE.—The true positions of Bedloe's and Ellis Islands are considerably south and west of the locations given them for convenience on this map. The number of buildings on all of the islands is 318, and the number of fires was 4, the loss being \$385. The number of buildings is taken from the report for 1883.



Indictments and Convictions for Arson, Incendiarism, etc.

DESCRIPTION OF PERSON.					NATURE OF CHARGE AND CIRCUMSTANCES.	NATURE OF INDICTMENT AND DATE.	WHEN AND OF WHAT CONVICTED.	SENTENCE AND REMARKS.
Name.	Age.	Sex.	Color.	Nativity.	Occupation.			
Wm. Cunningham	19	Male ..	White.	United States	None.....	Arson, 3d degree, January 20, 1884.....	Arson, 3d degree, February 14, 1884.	Five years in the Elmira Reformatory.
Joseph Coletta...	30	" ..	"	Russia.....	Tailor	Arson, 1st degree, and grand larceny, February 8, 1884.....	Jury disagreed April 12, 1884	
Paolo Gangi.....	30	" ..	"	Italy	Barber	Arson, 1st degree, February 25, 1884.....	Arson, 1st degree, April 25, 1884.....	Fifteen years in the State Prison.
Wilhelm Messner	23	" ..	"	Germany	Cabinet-maker.	Attempt to commit arson, March 14, 1884.....	Attempt to commit arson, 3d degree, April 14, 1884.....	Two years and six months in the State Prison.
Jane Bondy.....	40	Female.	Colored	United States	Cook.....	Attempt to commit arson, 1st degree, March 26, 1884.....	Attempt to commit arson, 1st degree, March 27, 1884.....	Three years and six months in the Penitentiary.

Indictments and Convictions for Arson, Incendiarism, etc.—(Continued).

DE CRPTION OF PERSON.					NATURE OF CHARGE AND CIRCUMSTANCES.	NATURE OF INDICTMENT AND DATE.	WHEN AND OF WHAT CONVICTED.	SENTENCE AND REMARKS.
Name.	Age	Sex.	Color.	Nativity.	Occupation.			
Samuel Spanier ..	26	Male ..	White ..	Poland	Ironer	Arson, September 5, 1884...	.....	{ Tried and jury dis- regreed and discharged on his recogni- zance, October 31, 1884.
Israel T. Davis..	51	" ..	"	"	Clothing dealer	Setting fire to and burning premises No. 86 Cadmus street, August 8, 1884.....	.....	{ Dismissed by Grand Jury, September 30, 1884.
G. Richier	55	" ..	"	"	Teacher	Setting fire to and burning premises No. 219 Division street, October 5, 1884....	.....	{ Discharged same day, for want of evidence.
Leo Gertig..... Albert Rudnicki..	48 40	" .. " ..	" .. " ..	" .. " ..	Saloon keeper.. Baker	{ Were jointly indicted for murder, having set fire to premises No. 234 Riv- ington street, on Septem- ber 20, 1884, thereby caus- ing the death of the wife of Leo Gertig.....	.....	{ Discharged Dec. 29, 1884, it ap- pearing that prisoner was suf- fering from de- lirium tremens at time of fire.
Alfred McKenna.	30	" ..	"	Ireland.....	Waiter	Setting fire to and burning premises No. 207 Hudson street, December 9, 1884..	.....	{ Case dismissed by Grand Jury December 29.
Thomas Keating.	19	" ..	"	United States	Carpenter	Setting fire to and burning premises No. 1200 Third avenue, on December 23, 1884.....	.....

Operations under the Laws Regulating the Storage of Combustibles and Explosive Materials, etc., for the Year.

COMPLAINTS OF VIOLATIONS, ETC.	Pending December 31, 1883.	Received since.	Total to be Disposed of.	DISPOSITION.						Now Pending.
				Complied on Notice.	Unfounded.	Penalties Collected.	Penalties Remitted.	Prosecution Recommended.	Total.	
Selling kerosene oil below test.....	6	8	14	..	..	3	5	3	11	3
Selling kerosene oil without license..	..	67	67	..	..	..	..	67	67	..
Chimney fires.....	54	263	317	..	..	65	217	4	286	31
Hoistways found open after conclusion of business.....	13	10	23	..	..	2	10	2	14	9
Fire-hydrants obstructed.....	61	46	107	104	..	..	..	..	104	3
Lights unprotected.....	1	285	286	286	..	..	..	..	286	..
Want of fire extinguishing appliances.	13	..	13	..	..	..	..	..	..	13
Want of telegraphic communication..	2	13	15	8	..	..	..	2	10	5
Combustible material in excessive quantity.....	..	1	1	..	..	..	..	1	1	..
Kerosene or naphtha, etc., in excessive quantity or improperly stored	1	7	8	6	2	..	..	..	8	..
Fireworks, chemicals, matches, etc., kept without permit.....	..	7	7	2	..	..	..	5	7	..
Powder, etc., improperly stored, transported, etc.....	..	1	1	..	..	..	..	1	1	..
Chimneys, flues, heating apparatus, etc., unsafe.....	..	90	90	76	10	..	..	..	86	4
Ashes in wooden boxes, etc.....	..	8	8	8	..	..	..	..	8	..
Hay, straw, cotton, rags and other vegetable fibre stored in excessive quantity.....	12	..	12	..	..	..	..	..	..	12
Lime, spirits, varnish, lumber, etc., stored in excessive quantity....	1	..	1	..	..	..	..	..	..	1
Total.....	164	806	970	490	12	70	232	85	889	81

Special surveys made to determine the fitness of premises for the storage of combustibles or explosive materials 549
 Samples of kerosene oil collected and tested 2,063

Money Received for Licenses and Permits Issued, Penalties Collected, Sale of Explosives, etc., Seized, etc.

For 3,527 kerosene oil licenses issued, at \$10....	\$35,270 00
For 95 powder licenses issued, at \$2	190 00
For 436 special permits issued, at \$2.....	872 00
For 25 wholesale fireworks permits issued, at \$2.	50 00
For 12 retail fireworks permits issued, at \$1.....	12 00
For 49 retail fireworks permits issued, at 50 cents	24 50
For 1,708 retail fireworks permits issued, at 25 cents.....	427 00
For 121 kindling fire in street permits issued, at 50 cents.....	60 50

Total for licenses and permits..... \$36,906 00

For * 4 penalties for selling kerosene oil below test, at \$50.....	\$200 00
For 65 penalties for chimney fires, at \$5	325 00
For * 3 penalties for hoistways left open, at \$50.....	150 00
Proceeds sale of powder seized.....	6 75

Total for penalties..... 681 75

Total received and turned over to the Relief Fund \$37,587 75

* Includes one case previously recommended for prosecution.

Plans and Specifications for New Buildings Filed and Acted upon during the Year.

CLASSIFICATION.	Pending last report.	Received since.	Total.	Approved.	Amended and Approved.	Disapproved.	Now Pending.	Total.	ESTIMATED COST.
Dwelling-houses—Estimated cost over \$50,000.....	..	4	4	2	1	1	..	4	\$375,000 00
Dwelling-houses—Estimated cost between \$20,000 and \$50,000.....	..	135	135	103	26	6	..	135	3,350,500 00
Dwelling-houses—Estimated cost less than \$20,000.....	6	459	465	293	103	61	8	465	4,157,250 00
Flats—Estimated cost over \$15,000.....	..	182	182	66	99	17	..	182	7,837,600 00
Tenement-houses—Estimated cost less than \$15,000.....	3	1,010	1,013	508	454	46	5	1,013	14,992,100 00
Hotels and boarding-houses...	..	5	5	..	4	1	..	5	161,500 00
Stores—Estimated cost over \$30,000.....	..	32	32	7	21	4	..	32	1,856,150 00
Stores—Estimated cost between \$15,000 and \$30,000	..	45	45	24	12	9	..	45	1,020,562 00
Stores—Estimated cost less than \$15,000.....	..	80	80	33	45	2	..	80	391,650 00
Office buildings.....	..	22	22	8	12	2	..	22	1,478,050 00
Manufactories and workshops.	6	134	140	78	54	6	2	140	1,443,040 00
School-houses.....	..	4	4	4	..	..	..	4	353,000 00
Churches.....	..	8	8	5	2	1	..	8	430,000 00
Public buildings—Municipal..	..	11	11	9	2	..	..	11	498,400 00
Public buildings—Places of amusement, etc.....	..	20	20	9	11	..	..	20	1,060,800 00
Stables.....	..	91	91	47	38	6	..	91	742,600 00
Frame dwellings in Twenty-third and Twenty-fourth Wards.....	..	410	410	333	67	8	2	410	1,125,730 00
Other frame structures.....	..	245	245	164	42	35	4	245	187,176 00
Total.....	15	2,897	2,912	1,693	993	205	21	2,912	\$41,461,208 00

*Plans and Specifications for Alterations to Buildings Filed and
Acted upon during the Year.*

CLASSIFICATION.	Pending last report.	Received since.	Total.	Approved.	Amended and Approved.	Disapproved.	Now Pending.	Total.	ESTIMATED COST.
Dwelling-houses.....	..	587	587	387	159	37	4	587	\$839,260 00
Flats .....	..	72	72	48	17	7	..	72	470,837 00
Tenement-houses	I	446	447	285	117	33	12	447	573,152 00
Hotels and boarding-houses...	..	52	52	32	12	8	..	52	292,208 00
Stores .....	..	205	205	117	60	24	4	205	469,538 00
Office buildings .....	..	99	99	51	38	10	..	99	511,375 00
Manufactories and workshops.	I	310	311	188	85	33	5	311	582,843 00
School-houses.....	..	12	12	8	3	1	..	12	102,883 00
Churches .....	..	16	16	13	3	..	..	16	118,450 00
Public buildings.....	..	28	28	18	6	4	..	28	285,050 00
Stables .....	..	75	75	49	21	5	..	75	123,560 00
Frame buildings.....	I	558	559	373	107	77	2	559	290,376 00
Total.....	3	2,460	2,463	1,569	628	239	27	2,463	\$4,659,532 00

Violations of Law and Unsafe Buildings during the Year.

NATURE.	Pending last report.	Received since.	Total for Disposition.	Removed before Action by Courts.	Removed on Order of Courts.	Dismissed by Courts.	Discontinued.	Total Final Disposition.	Now Pending.	Forwarded for Prosecution.
Defective construction, materials, etc.....	193	1,204	1,397	1,060	3	12	110	1,185	212	536
Erecting, altering or removing without permit, or after disapproval.....	131	771	902	645	..	37	27	709	193	370
Insufficient means of escape, fire-escapes, aisles obstructed, etc.....	869	2,662	3,531	1,956	8	35	202	2,201	1,330	909
Unsafe buildings.....	292	1,729	2,021	1,442	6	2	31	1,481	540	24
Total.....	1,485	6,366	7,851	5,103	17	86	370	5,576	2,275	1,839

Complaints Received and Investigated during the Year.

NATURE.	Pending.	Received since.	Total.	Unfounded.	Remedied on Verbal Notice.	Notices to be issued.	Total.	Now Pending.
Defective flues.....	4	148	152	52	25	71	148	4
Defective construction and materials.	..	39	39	22	3	11	36	3
Defective leaders	2	104	106	17	7	74	98	8
Erecting and altering without permit.	1	47	48	32	2	11	45	3
Frame structures erected and re- moved without permit.....	2	164	166	87	3	75	165	1
Front iron shutters which cannot be opened from the out-side.....	37	1	38	6	..	27	33	5
Hoistway openings not guarded.....	1	19	20	7	2	10	19	1
Insufficient means of escape, fire- escapes out of repair, etc	171	390	561	243	26	254	523	38
No iron shutters.....	2	3	5	1	..	2	3	2
Stairway openings floored over .....	..	28	28	9	6	13	28	..
Unsafe buildings.....	19	963	982	421	56	497	974	8
Woodwork too near flues, steam- pipes, etc.....	..	1	1	..	1	..	1	..
Total.....	239	1,907	2,146	897	131	1,045	2,073	73

Numbers of meetings of Board of Examiners.....	26
Numbers of cases acted upon by Board of Examiners...	292
Numbers of applicants for appointment as Examiners examined	32
Of which were found qualified.....	25
Disqualified	5
Laid over	2

Petitions for Modification of the Law.

	APPROVED.	DISAPPROVED.	TOTAL.
New buildings.....	128	19	147
Alterations.....	105	10	115
Iron shutters.....	28	2	30

The following Tabular Statements show the Operations of the Bureau since it became a part of the Fire Department, viz.: August 1, 1880, to December 31, 1884.

NATURE.	AUGUST 1 TO DECEMBER 31, 1880.	1881.	1882.	1883.	1884.	TOTALS.
Number of proposed new buildings	973	2,682	2,577	2,623	2,897	11,752
Estimated cost of same	\$12,203,290	\$43,391,300	\$44,793,186	\$44,304,638	\$41,461,208	\$186,155,622
Number of buildings proposed to be altered	373	1,497	1,691	1,870	2,460	7,891
Estimated cost of same.....	\$68,1136	\$4,142,070	\$4,267,181	\$4,540,436	\$4,659,532	\$18,290,355
Violations (other than fire-escapes) reported.....	240	761	1,086	1,134	1,975	5,196
Violations (other than fire-escapes) removed.....	248	838	1,070	1,239	1,894	5,289
Unsafe buildings reported	160	920	1,348	946	1,729	5,103
Unsafe buildings made safe	148	488	1,373	816	1,361	4,186
Unsafe buildings taken down.....	10	78	205	73	87	453
Buildings reported for additional means of escape in case of fire.....	277	544	1,443	1,562	2,662	6,488
Buildings provided with additional means of escape in case of fire....	84	825	842	1,328	1,964	5,043
Notices issued,	1,372	4,422	6,279	5,471	9,417	26,961
Complaints received	1,285	5,030	3,237	2,465	1,907	17,924
Cases forwarded for prosecution	193	723	1,022	1,404	1,839	5,111

Table showing the Number of Plans Submitted for the Erection and Alterations of Buildings, the Number of Violations of Law and Unsafe Buildings Reported, and the Number of Complaints Received from 1862 to 1884, inclusive.

NATURE.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.
Plans submitted for new buildings and alterations...	41	120	210	327	‡ 635	1,492	1,282	2,492	2,367	2,697	2,327	2,136
Violations reported, other than fire-escapes.	823	267	208	153	826	854	486	400	882	1,724	513	569
Buildings reported for fire-escapes.	*	*	*	*	*	*	† 7 306	1,833	1 979	973	770	2,215
Complaints received	127	295	234	267	335	426	334	366	340	263	459	570
Unsafe buildings reported	65	182	88	155	282	311	238	338	515	1,007	438	953
Total cases acted upon	1,056	864	740	902	2,078	3,083	9,666	5,429	6,083	6,664	4,507	6,443

NATURE.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	TOTAL.
Plans submitted for new buildings and alterations...	2,211	2,023	1,850	2,004	1,874	2,261	2,355	2,658	2,915	3,548	3,949	43,774
Violations reported, other than fire-escapes.	817	819	576	472	994	573	567	761	1,086	1,134	1,975	17,479
Buildings reported for fire-escapes.	1,436	1,606	1,654	1,505	1,188	678	1,402	544	1,443	1,562	2,662	30,816
Complaints received	583	600	383	487	394	499	1,884	5,030	3,237	2,465	1,907	21,425
Unsafe buildings reported.	1,546	1,630	1,551	1 210	894	733	585	920	1,348	946	1,729	17,684
Total cases acted upon	6,593	6,678	6,014	5,678	5,344	4,744	6,703	9,913	10,029	9,655	12,222	131,178

* No record.

† Prior to June 1, 1866, it was optional to file plans.
‡ The records show that cases of encumbered fire-escape balconies, and painting and repairing same, were included in this number.

*Number and Estimated Cost of Buildings Proposed to be Erected
and Altered, from 1868 to 1884, inclusive.*

YEAR.	NEW BUILDINGS.		ALTERATIONS TO BUILDINGS.		TOTAL COST.
	Number.	Estimated Cost.	Number.	Estimated Cost.	
1868 *	2,014	\$34,517,682 00	†	\$2,168,045 00	\$36,685,727 00
1869 *	2,348	40,352,058 00	†	4,228,174 00	44,580,232 00
1870 *	2,351	34,668,998 00	†	2,816,234 00	37,485,232 00
1871 *	2,782	42,585,391 00	†	4,351,981 00	46,937,372 00
1872 *	1,728	27,884,870 00	1,318	2,788,379 00	30,673,249 00
1873.....	1,311	24,936,535 00	1,311	3,496,995 00	28,433,530 00
1874.....	1,388	16,667,417 00	1,429	3,532,147 00	20,199,564 00
1875.....	1,406	18,226,870 00	1,258	3,200,438 00	21,427,308 00
1876.....	1,379	15,903,880 00	1,177	3,635,478 00	19,539,358 00
1877.....	1,432	13,365,114 00	1,308	3,215,125 00	16,580,239 00
1878.....	1,672	15,219,680 00	1,209	2,621,046 00	17,840,726 00
1879.....	2,065	22,567,322 00	1,373	3,300,110 00	25,867,432 00
1880.....	2,252	29,115,335 00	1,352	3,862,111 00	32,977,446 00
1881.....	2,682	43,391,300 00	1,497	4,142,070 00	47,533,370 00
1882.....	2,577	44,793,186 00	1,691	4,267,181 00	49,060,367 00
1883.....	2,623	44,304,638 00	1,870	4,540,436 00	48,845,074 00
1884.....	2,897	41,461,208 00	2,460	4,659,532 00	46,120,740 00
Totals....	34,907	\$509,961,484 00	19,253	\$60,825,482 00	\$570,786,966 00

* In these years the cost of building was much higher than at present.

† The number of alterations for these years is not on record.

Table Showing the Number of Unsafe Buildings Made Safe and Taken Down, from 1862 to December 31, 1884, inclusive.

YEAR.	MADE SAFE.	TAKEN DOWN.	TOTAL.	YEAR.	MADE SAFE.	TAKEN DOWN.	TOTAL.
1862.....	49	16	65	1874.....	1,466	67	1,533
1863.....	96	53	149	1875.....	1,586	90	1,676
1864.....	71	37	108	1876.....	1,531	71	1,602
1865.....	86	33	119	1877.....	1,088	67	1,155
1866.....	225	32	257	1878.....	855	77	933
1867.....	335	22	357	1879.....	650	56	706
1868.....	235	22	257	1880.....	513	56	569
1869.....	305	38	343	1881.....	488	78	566
1870.....	478	52	530	1882.....	1,373	205	1,578
1871.....	892	62	954	1883.....	816	73	889
1872.....	398	38	436	1884.....	1,361	87	1,448
1873.....	819	58	877	Aggregate	15,717	1,390	17,107

Table Showing the Number of Cases Acted Upon from 1868 to 1884, inclusive.

YEAR.	VIOLATIONS AND UNSAFE BUILDINGS REPORTED, COMPLAINTS RECEIVED, AND PLANS SUBMITTED.	YEAR.	VIOLATIONS AND UNSAFE BUILDINGS REPORTED, COMPLAINTS RECEIVED, AND PLANS SUBMITTED.
1868.....	9,666	1877.....	5,678
1869.....	5,429	1878.....	5,344
1870.....	6,083	1879.....	4,744
1871.....	6,664	1880.....	6,793
1872.....	4,507	1881.....	5,913
1873.....	6,443	1882.....	10,029
1874.....	6,593	1883.....	9,655
1875.....	6,678	1884.....	12,222
1876.....	6,014	Total.....	122,455

*Number of Cases Forwarded to the Attorney for Prosecution
from 1872 to 1884.*

YEAR.	NUMBER OF CASES.	YEAR.	NUMBER OF CASES.	YEAR.	NUMBER OF CASES.
1872.....	107	1877.....	200	1881.....	723
1873.....	247	1878.....	291	1882.....	1,022
1874.....	247	1879.....	240	1883.....	1,404
1875.....	628	* 1880.....	252	1884.....	1,839
1876.....	412	† 1880.....	123	Total.....	7,735

* Seven (7) months in old Department.

† Five (5) months in present Bureau.

ATTORNEY TO THE DEPARTMENT.

Violations of Law Relating to Combustibles, etc., for the Year.

NATURE OF VIOLATIONS.	FOR DISPOSITION.			DISPOSED OF.							
	Pending last report.	Received since.	Total.	BEFORE COMMENCE- MENT OF LITIGATION.		AFTER COMMENCEMENT OF LITIGATION.					
				Recalled—Violations Removed.	Recalled for Other Reasons.	Violations Removed before Trial.	Judgment for Department.	Penalty Paid and Discontinued.	Dismissed.	Total.	Now Pending.
Selling kerosene oil below test	..	3	3	..	..	..	..	* 1	2	3	..
Selling kerosene oil without license.....	..	67	67	16	..	28	8	..	15	67	..
Chimney fires.....	..	4	4	..	..	..	..	..	4	4	..
Hoistways open after con- clusion of business.....	I	2	3	..	..	..	..	* 1	1	2	I
Combustible material in excessive quantity.....	..	1	1	..	..	..	..	..	1	1	..
Storing powder, etc., with- out permits.....	..	1	1	..	..	..	..	1	..	1	..
Selling percussion caps, fire- works, etc., without license.....	9	5	14	..	..	12	1	..	1	14	..
Failure to provide tele- graphic communication..	..	2	2	..	1	..	..	..	1	2	..
Total.....	10	85	95	16	1	40	9	3	25	94	1

* The penalty was collected and turned into the Relief Fund by the Inspector of Combustibles.

Violations of Law Relating to Buildings for the Year.

NATURE OF VIOLATIONS.	FOR DISPOSITION.			DISPOSED OF.								Now Pending.
	Pending last report.	Received since.	Total.	BEFORE COMMENCEMENT OF LITIGATION.		AFTER COMMENCEMENT OF LITIGATION.						
				Recalled—Violations Removed.	Recalled for Other Reasons.	Violations Removed before Trial.	Violations Removed after Judgment.	Dismissed by Court.	Dismissed for Irregularity or Insufficiency of Papers.	Total.		
Defective construction, materials, etc.....	142	536	678	260	32	152	21	9	103	577	101	
Erecting, altering or removing without permit or after disapproval.....	103	370	473	115	12	159	6	30	64	386	87	
Insufficient means of escape, fire - escapes, aisles obstructed, etc.)	442	909	1,351	167	168	422	43	25	509	1,334	17	
Unsafe buildings.	2	24	26	..	2	4	9	3	6	24	2	
Total.....	689	1,839	2,528	542	214	737	79	67	682	2,321	207	

Miscellaneous Business.

NATURE.	PENDING LAST REPORT.	RECEIVED.	TOTAL.	DISPOSED OF.	NOW PENDING.
Opinions required	6	22	28	23	5
Agreements	1	4	5	5	..
Total	7	26	33	28	5

Claims for Damage to Department Property.

AGAINST.	NATURE OF CLAIM.	AMOUNT.	DISPOSITION.
U. S. Illuminating Co	Damage to street alarm-boxes,...	\$125 00	Still pending.
Brush Electric Lighting Co.....	Damage to street fire-alarm boxes	.....	Still pending.

Penalties Collected.

For violations of the laws relating to combustibles, etc., selling fireworks without permit (turned over to the Treasurer of the Relief Fund).....	\$50 00
For violations of the laws relating to buildings (turned into the Finance Department), being for Violation Cases No. 239 of 1882, \$67.50 ; No. 670 of 1882, \$109.50 ; No. 936 of 1883, \$14 ; and No. 321 of 1884, \$50.....	241 00

Cases against the Department.

NAME OF PLAINTIFF.	Pending Dec. 31, 1883.	Received.	NATURE OF ACTION.	HOW DISPOSED OF.	Pending Dec. 31, 1884.
The People ex rel. J. S. Craft.....	1	..	Certiorari to review removal.	.....	1
The People ex rel. L. M. Harned.....	1	..	Certiorari to review removal.	.....	1
The People ex rel. E. W. Van Horn.....	1	..	Certiorari to review removal.	.....	1
The People ex rel. William Dodge.....	1	..	Certiorari to review removal.	.....	1
The People ex rel. F. McGinley.....	..	1	Certiorari to review removal.	.....	1
The People ex rel. Abraham Walton.....	..	1	Certiorari to review removal.	Dismissed.....	..
The People ex rel. E. G. Dumahaut.....	1	..	Certiorari to review removal.	Relator reinstated.....	..
Patrick Shea.....	1	..	Damages for personal injuries.	Discontinued.....	..
James Durkin, administrator.....	1	..	Damages for personal injuries.	Discontinued.....	..
Thomas O'Connor.....	..	1	Damages for personal injuries.	.....	1
Mary E. Pinckney, administratrix.....	..	1	Damages for personal injuries.	.....	1
Joseph Summer.....	1	..	Claim for services as clerk....	{ Abated by reason of the } { death of the plaintiff. }	..
R. S. Ransom, receiver.....	1	..	{ Damages for posting notice } { on unsafe building..... }	Discontinued.....	..
William Terhune.....	1	..	Claim for services.....	.....	1
Albert P. Fuller.....	1	..	Claim for services as clerk....	.....	1
Edward G. Dumahaut.....	1	..	Application for injunction....	Discontinued.....	..
Health Department.....	..	1	Application for injunction....	.....	1
The People ex rel. T. G. Thomas.....	..	1	Application for mandamus....	Discontinued.....	..
	12	6		8	10

Fire Alarm Telegraph.

RECEIVED AT HEADQUARTERS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	YEAR.
First alarms from street boxes	171	125	143	138	121	134	101	97	123	124	129	173	1,579
First alarms from Police Headquarters .....	..	..	..	1	..	2	..	1	..	..	..	1	5
First alarms from citi- zens (verbal)	1	1	..	..	..	..	1	1	1	..	..	..	5
First alarms from Au- tomatic Signal Tele- graph Co. ....	..	3	1	1	3	3	2	1	2	2	6	1	25
First alarms from Mu- tual District Co.	3	2	1	..	..	1	..	..	..	..	1	2	10
Second alarms	7	6	9	14	11	9	4	8	8	8	10	10	104
Third alarms	6	1	2	14	10	6	3	3	3	7	4	9	68
Special calls for companies	24	10	10	23	34	18	8	4	14	6	9	18	178
Special calls for distant companies simulta- neously .....	..	..	..	1	1	..	1	..	..	..	..	..	3
Special calls for in- creased water press- ure	22	12	20	40	30	20	8	14	12	18	22	26	244
Special calls for Insur- ance Patrol	6	6	7	15	1	6	5	4	3	6	9	8	76
Special calls for ambu- lances.	34	14	12	25	25	32	33	31	51	20	19	15	311
Special building signals..	2	2	1	2	..	1	1	..	1	1	..	2	13
Total alarms and calls	276	182	206	274	236	232	167	164	218	192	209	265	2,621
Messages transmitted...	420	392	385	363	523	435	277	526	499	359	419	430	5,028
Messages received	611	450	514	482	546	507	399	415	548	460	438	577	5,947
Total messages	1,031	842	899	845	1,069	942	676	941	1,047	819	857	1,007	10,975
Notice of companies leaving quarters on verbal alarms	78	76	77	88	71	94	74	55	62	70	72	97	914

Number of Fire-alarm Keys Issued.

To the uniformed force	943
To others in the Department	12
To the Police Department	3,000
To the Fire Insurance Patrol	135
To the District Telegraph Companies, etc.	88
To householders	2,388
To citizens	1,986
Total	8,552

Number of Circuits, Poles, Boxes, etc.

There are sixty-nine circuits, with an aggregate length of eight hundred and eighty-seven miles of wire, strung exclusively on poles, six thousand two hundred and eighty-five in number, as follows :

Forty-four alarm-box signal circuits, including two special on East river islands.

Eight alarm-gong circuits to company quarters, etc.

Four combination alarm and talking circuits.

Twelve telephone and dial circuits.

One bell-tower circuit.

Connected with the alarm-box signal circuits there are six hundred and thirty-three street alarm-boxes, seventeen of which have keyless outer doors, dispensing with the use of a key for sending a first alarm of fire, and the remaining six hundred and sixteen have the old pattern door requiring a key, which are to be gradually fitted with the improved keyless door. Twenty-five special building boxes, placed in public institutions, etc., are also connected with these circuits.

Upon independent circuits there are one hundred and seventeen special building boxes, placed in private buildings at the expense of the owners, connected with the fire-alarm system.

Damage Caused by Interference of Electric-light Wires.

The electrical portion of two telephone sets and of eight street alarm-boxes was practically destroyed by contact of electric illuminating wires with those of the Department.

Transmission of Special Calls, etc.

Arrangements were made for transmitting special calls for the Fire Insurance Patrol to them from the Central Office independently, thus relieving the uniformed force from the necessity of hitching up on their receipt. It is intended to make a similar arrangement in the transmission of ambulance calls as soon as

possible, and, if found to be practicable, to afford still further relief to the uniformed force by dividing the transmission of first alarms so that the several companies (in the lower part of the city at least) will not receive all the alarms transmitted for distant locations.

SANITARY STATISTICS OF THE UNIFORMED FORCE.

DURING THE YEARS—	INJURIES.		DISEASES.		AGGREGATE.	
	No. of Cases.	No. of Days lost.	No. of Cases.	No. of Days lost.	No. of Cases.	No. of Days lost.
1877	59	1,818	144	1,170	203	2,988
1878	74	1,374	146	2,379	220	3,753
1879	153	2,670	205	2,086	358	4,756
1880	188	3,879	237	2,916	395	6,795
1881	166	3,391	238	4,138	404	7,529
1882	219	4,481	329	5,432	548	9,913
1883	207	3,601	516	7,785	723	11,386
1884	202	4,302	472	6,086	674	10,388
Total	1,268	25,516	2,257	31,992	3,525	57,508

Examination of Candidates for Appointment to the Uniformed Force.

Number found qualified.....	97
Number found disqualified.....	116
Total examined.....	213

Deaths in the Uniformed Force.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF DEATH.	CAUSE.
Finn, Patrick.....	Foreman.....	H. & L. No. 10.....	Jan. 30, 1873	Feb. 9	Pneumonia.
Galbraith, W. J.....	Fireman.....	" 12.....	Apr. 30, 1866	" 25	Cancer of stomach.
Feeney, P. T.....	Private, 2d Grade.....	Engine No. 43.....	Jan. 1, 1882	Mar. 22	Phthisis.
Doyle, Patrick.....	" 3d "	" 44.....	July 3, 1872	May 30	"
Wallace, Joshua A.....	" 2d "	" 12.....	Nov. 19, 1880	June 25	Killed at fire.
Mahon, John.....	" 2d "	H. & L. No. 7.....	Nov. 8, 1881	July 4	Heart disease.
Roche, James F.....	Fireman.....	" 6.....	July 3, 1872	Sept. 17	Died from injuries.
Woods, Patrick.....	Private, 3d Grade.....	Engine No. 10.....	July 4, 1883	Oct. 31	Bright's disease.

Retired from all Service during the Year.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF RETIREMENT.	CAUSE.
Taylor, James F.....	Assistant Engineer.....	Engine No. 8.....	Apr. 16, 1865	Feb. 1	Near sighted.
Scott, James.....	"	" 18.....	May 20, 1868	" 7	Softening of brain.
Foy, Patrick.....	Fireman.....	H. & L. No. 14.....	Sept. 1, 1872	" 11	General debility.
McEntee, Patrick J.....	"	" 1.....	Jan. 3, 1873	" 11	Chronic rheumatism.

Beattie, Robert	"	Engine No. 18	Dec. 8,	"	"	"
Loesch, Nicholas P	"	"	Mar. 23, 1876	Mar.	"	Loss of right foot.
Willett, Charles	"	"	Oct. 13, 1865	"	"	General debility.
Dempsey, Daniel	"	"	Sept. 1, 1871	"	"	Epilepsy.
Lyons, Patrick	Private, 2d Grade	H. & L. No. 2	Aug. 20, 1881	"	"	Vertigo.
Gordon, William M	Fireman	Engine No. 31	Sept. 14, 1865	"	"	Phthisis.
Levin, James A	"	"	July 3, 1871	"	"	"
Post, John C	"	"	Oct. 2, 1865	Apr.	"	General debility.
Newman, John	"	"	Sept. 1,	"	"	Rheumatism.
Connor, Alfred	"	H. & L. No. 19	Jan. 1, 1873	"	"	Stiff leg, result of injury.
Nash, Benjamin F	Foreman	Engine No. 18	Sept. 2, 1869	"	"	Chronic rheumatism.
Riker, William	Private, 3d Grade	"	Jan. 15, 1874	"	"	Rheumatism.
Miller, John W	Chief of Battalion	"	Oct. 2, 1865	"	"	Heart disease.
Bates, Eli	Chief of Department	"	Sept. 6,	May	"	Vertigo and near sighted.
Williams, William H	Assistant Engineer	Engine No. 46	Mar. 1, 1876	"	"	Heart disease.
McDonald, Clinton	Foreman	"	Sept. 14, 1865	"	"	Chronic rheumatism.
Gillies, George	"	"	Nov. 24, 1866	"	"	"
Wilhelm, Edward W	Chief of Battalion	"	July 27,	Aug.	"	Vertigo.
Farlow, John	Foreman	Engine No. 10	Aug. 8,	"	"	Rupture.
Henderson, George	"	"	Dec. 19, 1865	"	"	"
Coyle, John	"	"	Oct. 30,	"	"	Varicose veins.
Frost, William	"	"	Sept. 11,	"	"	Rheumatism.
McDermott, John A	Assistant Foreman	"	Apr. 11, 1866	"	"	Fracture of thigh.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF RETIREMENT.	CAUSE.
Williams, Charles J.....	Assistant Foreman.....	Engine No. 38.....	Jan. 1, 1875	Aug. 15	Near sighted.
Van Orden, John W.....	"	" 45.....	Apr. 30, 1866	" 15	Heart disease.
Pattitt, James B.....	"	" 37.....	May 28, 1868	" 15	General debility.
Roberts, Morris W.....	"	" 49.....	Oct. 27, 1865	" 15	Stiff ankle, due to injury.
Pattison, Samuel M.....	Engineer	" 36.....	July 1, 1874	" 15	Near sighted.
Kosmak, Gustav.....	Assistant Engineer.....	" 4.....	Apr. 26, 1886	" 15	Stiff leg, due to injury.
Reed, William.....	"	" 27.....	May 25, 1875	" 15	Near sighted.
Gilmartin, Andrew.....	Fireman.....	" 4.....	Jan. 1, 1873	" 15	Melancholia.
Corcoran, Michael.....	"	" 4.....	" 1, "	" 15	Chronic rheumatism.
McClane, John.....	"	" 37.....	Sept 18, 1865	" 15	"
Jacobs, George.....	"	" 38.....	" 27, "	" 15	"
Olmsted, Robert.....	Assistant Foreman.....	" 31.....	Feb. 1, 1874	" 16	"
Munger, John A.....	"	" 35.....	May 19, 1868	" 16	{ Chronic rheumatism and near sighted.

Relieved from Service at Fires during the Year.

NAME.	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE WHEN RELIEVED.	CAUSE.
Roland, James.....	Fireman.....	Engine No. 18.....	Sept. 14, 1875	Mar. 1	Stiff leg, result of injuries.
Ankner, John....	".....	" 47.....	Oct. 27, 1865	Apr. 1	Near sighted.
Murfit, William.....	".....	" 50.....	Aug. 25, 1868	" 1	"

Deaths among those Retired from all Service.

NAME	GRADE.	COMPANY.	DATE OF APPOINTMENT.	DATE OF RETIREMENT.	CAUSE OF RETIREMENT.	DATE OF DEATH.	CAUSE OF DEATH.
Gordon, Wm. M.....	Fireman.....	Engine No. 51.....	Sept. 14, 1865	Mar. 15, 1884	Phthisis.....	Jan. 31	Hemorrhage.
Ransom, W. K.....	".....	" 38.....	Oct. 2, "	Jan. 1, 1878	" ..	Aug. 19	Phthisis.

NEW APPARATUS.

The following were received under contracts :

6 steam fire-engines.

1 water tower.

7 four-wheel hose tenders.

Repairs to Apparatus under Contract.

Six steam fire-engines were furnished with new boilers and generally repaired.

REPAIR SHOPS.

The following is a summary of the work done by the force employed :

Manufactured.

1 portable water tank.

1 two-wheel hose tender.

1 fuel wagon.

And a large number of wheels, poles, etc.

Rebuilt.

3 hose tenders.

1 hook and ladder truck.

3 fuel wagons.

4 Chief of Battalion wagons and buggies.

Extensive Repairs.

20 to steam fire-engines.

1 to hook and ladder truck.

2 to floating engines.

Ordinary Repairs.

160 to steam fire-engines.	
79 to hose tenders.	
61 to hook and ladder trucks.	
12 to floating engines.	
9 to fuel wagons.	
82 to Chief of Battalion wagons.	
1 to telegraph pole truck.	
2 to buggies.	
8 to water towers.	

And a large amount of miscellaneous repairing and painting.

Sliding poles were put up in twenty-two company quarters.

New heaters were placed and connected with the engines in sixteen houses.

Swinging harness was hung in the quarters of seventeen companies.

HORSES.

Number of horses on hand at the close of 1883, as per the report for that year.....	275	
Purchased during 1884	53	
	—	328
Sold at public auction, being unfit for further service.	14	
Died—Of injuries, 2 ; of disease, 10.....	12	
	—	26
		—
On hand December 31, 1884	302	<u><u>302</u></u>

Inventory of Apparatus.

	IN SERVICE.	SPARE.	TOTAL.
Marine steam fire-engines (Engine Companies Nos. 43 and 51)	2	..	2
{ First size.....	8	11	19
{ Second size.....	31	8	39
Steam fire-engines { Third size	6	2	8
{ Fourth size	15	..	15
{ Fifth size.....	1	..	1
Hose tenders, four-wheeled.....	24	2	26
Hose tenders, two-wheeled	36	8	44
Water-towers	2	..	2
Hook and ladder trucks { Roller-frame, with extension ladder.	22	2	24
{ Goose-neck, without extension ladder	5	2	7
{ Roller-frame, without ladders.....	1	..	1
Chemical fire-engines.....	..	10	10
Fuel wagons	15	..	15
Wrecking truck	1	..	1
Chemical fire-extinguishers owned by the Department.....	134	..	134
Chemical fire-extinguishers on trial.....	22	..	22
Hand engines .....	..	5	5
Hose carriages.....	..	2	2
Hose jumpers .....	..	14	14
Aerial ladders.....	..	4	4
Supply wagon.....	1	..	1
Chief of Battalion wagons	12	2	14

Inventory of Hose.

	SIZE.	NUMBER OF FEET.
Combination rubber	2½ inch.	81,850
Cotton, rubber lined.....	2½ "	48,617
Linen	2½ "	850
Combination rubber	3½ "	6,322
"	4 "	145
"	6 "	100
Total .....	.....	137,884

Description of Steam Fire Engines—Classified.

Size.	Style of—			Size in inches of—		Weight with Water.	When first placed in Service.	Manufacturer's—		Engine Company now using.
	Frame.	Boiler.	Engine.	Stroke of Cylinder.	Pump.			Name.	Number.	
I	Barrel tank.....	Tubular.....	Double.....	8 12	4½	8,800	Sept., 1865	Amoskeg.	142	Spare.
I	"	Drop tube.....	"	8 12	4½	8,800	Sept., 1865	"	143	"
I	"	"	"	8 12	4½	8,800	Sept., 1866	"	191	"
I	"	Tubular.....	"	8 12	4½	8,800	Sept., 1866	"	192	"
I	"	Drop tube.....	"	8 12	4½	8,800	Oct., 1866	"	193	"
I	"	"	"	8 12	4½	8,800	Nov., 1866	"	195	"
I	Straight frame.....	"	"	8½ 8	4½	9,600	Oct., 1872	"	284	"
I	Self-propeller.....	Tubular.....	"	7½ 8	4½	9,600	Sept., 1874	"	491	"
I	"	"	"	7½ 8	4½	9,600	Oct., 1874	"	492	"
I	"	"	"	7½ 8	4½	9,600	Sept., 1874	"	493	"
I	"	Drop tube.....	"	7½ 8	4½	9,600	Sept., 1874	"	494	No. 18
I	Crane neck.....	"	"	7½ 8	4½	7,320	Mar., 1879	Clapp & Jones, 527	Spare.	Spare.
I	"	Coil.....	"	7½ 8	4½	7,575	Sept., 1880	Ahrens.....	252	No. 13
I	"	Drop tube.....	"	8 7	4½	7,450	Oct., 1880	Clapp & Jones, 351	33	33
I	"	"	"	8 7	4½	7,450	Nov., 1880	"	352	7
I	"	"	"	8½ 7	5	7,890	June, 1882	"	380	14

Size.	STYLE OF—			SIZE IN INCHES OF—			When first placed in Service.	MANUFACTURER'S—		ENGINE COMPANY NOW USING.
	Frame.	Boiler.	Engine.	Steam Cylinder.	Stroke of Piston.	Pump.		Name.	Number.	
1	Crane neck.....	Drop tube.....	Double.....	8½	7	5	July, 1882	Clapp & Jones,	381	No. 1
1	"	"	"	8½	7	5	Aug., 1882	"	383	19
1	"	"	"	8½	7	5	Sept., 1882	"	385	4
2	U tan	Tubular.....	Single.....	8	12	4½	Dec., 1860	Anoskeag.....	19	Ward's Island.
2	"	"	"	8	12	4½	Oct., 1865	"	147	No. 26
2	"	"	"	8	12	4½	Nov., 1865	"	148	Spare.
2	"	"	"	8	12	4½	Dec., 1865	"	157	"
2	"	"	"	8	12	4½	Dec., 1865	"	158	No. 54
2	"	"	"	8	12	4½	Dec., 1865	"	159	34
2	"	"	"	8	12	4½	Jan., 1866	"	160	12
2	"	"	"	8	12	4½	Jan., 1866	"	161	Spare.
2	"	"	"	8	12	4½	Feb., 1866	"	162	"
2	"	"	"	8	12	4½	Feb., 1866	"	163	"
2	"	Drop tube.....	"	8	12	4½	Mar., 1866	"	164	"
2	"	Tubular	"	8	12	4½	April, 1866	"	165	No. 16
2	"	"	"	8	12	4½	April, 1866	"	166	Spare.
2	"	"	"	8	12	4½	Aug., 1866	"	132	No. 36
2	Harp tank.....	"	"	8	12	4½	May, 1865	"	132	No. 36

2	Straight frame.....	"	Double.....	6½	8	4½	6,700	Mar., 1867	"	....	226	No. 28
2	"	Drop tube.....	"	6½	8	4½	6,700	Mar., 1867	"	....	227	31
2	"	"	"	6½	8	4½	6,700	Mar., 1867	"	....	228	21
2	"	"	"	6½	8	4½	6,700	April, 1867	"	....	229	25
2	"	"	"	6½	8	4½	6,700	May, 1867	"	....	230	5
2	"	"	"	6½	8	4½	6,700	Aug., 1868	"	....	235	23
2	"	Tubular.....	"	6½	8	4½	6,700	Sept., 1868	"	....	236	16
2	"	"	"	6½	8	4½	6,700	Sept., 1868	"	....	301	Spare.
2	"	"	"	6½	8	4½	6,700	Nov., 1868	"	....	302	No. 24
2	Crane neck.....	Drop tube.....	"	6½	8	4½	6,800	Feb., 1871	"	....	359	27
2	"	Tubular.....	"	6½	8	4½	6,800	Feb., 1871	"	....	360	15
2	"	Drop tube.....	"	6½	8	4½	6,800	Mar., 1871	"	....	361	6
2	"	"	"	6½	8	4½	6,800	Mar., 1871	"	....	362	30
2	"	"	"	6½	8	4½	6,800	Mar., 1871	"	....	363	11
2	"	Tubular.....	"	6½	8	4½	6,950	June, 1873	"	....	437	8
2	"	Drop tube.....	"	6½	8	4½	6,950	June, 1873	"	....	438	9
2	"	"	"	6½	8	4½	6,950	July, 1873	"	....	439	12
2	"	Tubular.....	"	6½	8	4½	6,950	Sept., 1873	"	....	440	29
2	"	Drop tube.....	"	6½	8	4½	6,950	Sept., 1873	"	....	441	3
2	"	Tubular.....	"	6½	8	4½	6,950	Sept., 1873	"	....	455	39
2	"	"	"	6½	8	4½	6,800	Nov., 1868	Gould.....	7	Ward's Island.	
2	"	Coil.....	"	6½	8	4½	6,210	July, 1883	Abrens.....	358	No. 13	
2	"	"	"	6½	8	4½	6,210	July, 1883	"	.....	360	20

Size.	STYLE OF—			SIZE IN INCHES OF—			When first placed in Service.	MANUFACTURER'S—		ENGINE COMPANY NOW USING.
	Frame.	Boiler.	Engine.	Steam Cylinder.	Stroke of Piston.	Pump.		Name.	Number.	
2	Crané neck.....	Drop tube.....	Double.....	7½	7	4½	July, 1883	Clapp & Jones.	43	No. 32
2	".....	".....	".....	7½	7	4½	Aug., 1883	"	415	27
3	Harp tank.....	".....	Single.....	7½	9½	4½	May, 1861	Amoskeag.....	36	Spare.
3	".....	Tubular.....	".....	7½	9	4½	Dec., 1876	"	516	"
3	".....	".....	".....	7½	9	4½	Feb., 1877	"	517	No. 37
3	".....	".....	".....	7½	9	4½	Feb., 1877	"	519	38
3	".....	".....	".....	7½	9	4½	Feb., 1877	"	520	47
3	Straight frame.....	Coil.....	".....	8	7	5	July, 1883	Ahrens.....	354	45
3	".....	".....	".....	8	7	5	July, 1883	"	356	42
3	Horizontal.....	Tubular.....	".....	"	"	"	Aug., 1865	Clapp.....	"	Randall's Island.
4	Crané neck.....	Drop tube.....	".....	9½	6	5½	June, 1881	Clapp & Jones.	359	No. 10
4	".....	".....	".....	9½	6	5½	June, 1881	"	362	44
4	".....	".....	".....	9½	6	5½	July, 1881	"	365	31
4	".....	".....	".....	9½	6	5½	Oct., 1881	"	368	33
4	".....	".....	".....	9½	6	5½	Oct., 1881	"	370	40
4	".....	".....	".....	9½	6	5½	Nov., 1881	"	371	49
4	".....	".....	".....	9½	6	5½	Dec., 1881	"	375	41

4	"	"	"	"	9 1/4	6	5 1/2	5,900	April, 1884	"	430	18
4	"	"	"	"	9 1/4	6	5 1/2	5,900	April, 1884	"	432	22
4	"	"	"	"	9 1/4	6	5 1/2	5,900	May, 1884	"	433	5
4	"	"	"	"	9 1/4	6	5 1/2	5,900	May, 1884	"	434	2
4	"	"	"	"	9 1/4	6	5 1/2	5,900	May, 1884	"	435	26
4	"	"	"	"	9 1/4	6	5 1/2	5,900	June, 1884	"	438	35
4	Straight frame	"	"	"	9 1/4	6	5 1/2	4,745	July, 1883	"	409	48
4	"	"	"	"	9 1/4	6	5 1/2	4,745	Aug., 1883	"	417	46
5	"	"	"	"	7 1/2	6	4 3/4	4,680	Nov., 1882	"	397	50
1	Marine engine	"	Tubular	Double	{ 11 12 5	5	....	May, 1875	Amoskeag,	"	513	43
					{ 11 12 5	5	....	May, 1875	"	"	514	43
					{ 16 9 7 1/2	7 1/2	....	April, 1883	Clapp & Jones,	"	405	51
1	"	"	"	"	{ 16 9 7 1/2	7 1/2	....	April, 1883	"	"	406	51

Description of Hook and Ladder Trucks, Classified.

No.	SIZE.	STYLE.	MANUFACTURER.	LONGEST LADDER.	WHERE USED.
3	1st	Roller-frame.....	Fire Extinguisher Mfg. Co.....	73 feet extension.....	Hook and Ladder 6, 9 and 15.
2	1st	"	Repair Shops.....	73 "	Hook and Ladder 8 and 10.
1	1st	"	Allerton Works.....	73 "	Hook and Ladder 9.
4	1st	"	Repair Shops.....	70 "	Hook and Ladder 2, * 11, 12 and 14.
7	1st	"	"	65 "	{ Hook and Ladder 1, 3, 4, 5, 7, and 13.
1	1st	"	Allerton Works.....	65 "	{ and one spare.
1	1st	"	Babcock Mfg. Co.....	.....	Not used.
4	2d	"	Repair Shops.....	50 feet extension. . .	Engine 47, 48, 50, Hook and Ladder 17.
5	2d	"	Fire Extinguisher Mfg. Co.....	50 "	Engine 38 and 39
1	3d	Goose-neck.....	.....	43 "	Ward's Island.
1	3d	"	.....	40 "	Spare.
1	3d	"	.....	38 "	Hook and Ladder 5.
1	3d	"	.....	35 "	Engine 49.
2	3d	"	.....	30 "	{ Hook and Ladder 19 and Randall's
1	3d	"	.....	.....	{ Island.
			.....	.....	Spare.

* Originally built by Hartshorne, New York.

NEW BUILDINGS.

Upon the lot purchased for the purpose by the city in 1883, situated on the north side of One Hundred and Fourth street, one hundred and seventy-five feet west of Third avenue, a house was erected for Engine Company No. 53; and the erection of houses for Hook and Ladder Company No. 15 in Old Slip, between Front and Water streets, and for Hook and Ladder Company No. 16 and other purposes, on the north side of East Sixty-seventh street, between Third and Lexington avenues, adjoining the house of Engine Company No. 39, were begun, both upon ground set aside for the purpose by the proper city authorities. The new houses for Engine Company No. 15, at No. 269 Henry street, Engine Company No. 23, at No. 235 West Fifty-eighth street, and Engine Company No. 52, on Riverdale avenue, the erection of which was commenced in 1883, were finished and occupied.

NEW SITES FOR BUILDINGS.

In addition to the locations above referred to, obtained for houses for Hook and Ladder Companies No. 15 and 16, a new site on the north side of Tremont avenue, between the Southern Boulevard and Vyse street, for Engine Company No. 45, and an addition of 25 by 25 feet in rear of the lot occupied by Engine Company No. 48, on the east side of Thomas avenue, between Kingsbridge road and Welch street, were also acquired by the city.

ALTERATIONS AND REPAIRS TO BUILDINGS.

The houses of Engine Companies No. 5, 18, 26, 27, and Hook and Ladder Company No. 5 were fitted with additional stalls and otherwise altered to accommodate the additional horses and apparatus and men rendered necessary by their conversion into double companies. Twelve other houses were altered and thoroughly repaired, and a large amount of minor repairing and painting was done.

BUILDINGS OCCUPIED BY OR UNDER THE CONTROL OF THE
DEPARTMENT.

Headquarters—Office of Commissioners, Bureaus—Chief of Department, Inspector of Combustibles, Fire Marshal and Inspector of Buildings (with third floor of No. 153 Mercer street), and offices of Attorney, Fire Alarm Telegraph, and Medical Officers, Nos. 155 and 157 Mercer street.

Repair shops, Nos. 130 and 132 West Third street.

Hospital stables, Ninety-ninth street, between Ninth and Tenth avenues.

Training stables, No. 58 Lawrence street.

Bell-tower and Lookout, No. 253 Spring street, rear of quarters of Engine Company No. 30.

Bell-tower and Lookout, Mount Morris Square.

Bell-tower and Lookout, Fulton avenue, between One Hundred and Sixty-seventh and One Hundred and Sixty-eighth streets, rear of quarters of Engine Company No. 42.

Lookout, southwest corner of Tenth street and Sixth avenue, Jefferson Market Court-house.

Engine Company No. 1, No. 165 West Twenty-ninth street.

“ 2, No. 530 West Forty-third street.

“ 3, No. 417 West Seventeenth street.

“ 4, No. 39 Liberty street.

“ 5, No. 340 East Fourteenth street.

“ 6, No. 100 Cedar street.

“ 7, No. 22 Chambers street. †

“ 8, No. 165 East Fifty-first street.

“ 9, No. 55 East Broadway.

“ 10, No. 8 Stone street.

“ 11, No. 437 East Houston street.

“ 12, No. 261 William street.

“ 13, No. 99 Wooster street.

“ 14, No. 14 East Eighteenth street.

“ 15, No. 269 Henry street.

“ 16, No. 223 East Twenty-fifth street.

- Engine Company No. 17, No. 91 Ludlow street.
- “ 18, No. 132 West Tenth street. (Fuel Depot No. 4.)
- “ 19, No. 355 West Twenty-fifth street. (Fuel Depot No. 12.)
- “ 20, No. 47 Marion street.
- “ 21, No. 216 East Fortieth street.
- “ 22, No. 159 East Eighty-fifth street.
• (Fuel Depot No. 14.)
- “ 23, No. 235 West Fifty-eighth street.
- “ 24, No. 78 Morton street. (Fuel Depot No. 14.)
- “ 25, No. 342 Fifth street.
- “ 26, No. 220 West Thirty-seventh street.
- “ 27, No. 173 Franklin street.
- “ 28, No. 604 East Eleventh street.
- “ 29, No. 193 Fulton street.
- “ 30, No. 253 Spring street.*
- “ 31, No. 116 Leonard street.
- “ 32, No. 108 John street.*
- “ 33, No. 15 Great Jones street.
- “ 34, No. 440 West Thirty-third street.
- “ 35, No. 223 East One Hundred and Nineteenth street.
- “ 36, No. 2333 Fourth avenue.
- “ 37, No. 83 Lawrence street.
- “ 38, Tenth avenue, between One Hundred and Fifty-fourth and One Hundred and Fifty-fifth streets.
- “ 39, No. 159 East Sixty-seventh street.
- “ 40, Sixty-eighth street, between Tenth avenue and Boulevard.
- “ 41, No. 501 North Third avenue.¶

Engine Company No. 42, Fulton avenue, between One Hundred and Sixty-seventh and One Hundred and Sixty-eighth streets.

" 43 (Floating engine), foot of Clinton street, East river.

" 44, No. 221 East Seventy-fifth street.

" 45, Division street, near Boston road.

" 46, Morris street, between Madison and Washington avenues.*

" 47, Tenth avenue, between Ninety-seventh and Ninety - eighth streets.

" 48, Thomas avenue, near Kingsbridge road.

" 49, Blackwell's Island.

" 50, One Hundred and Sixty-sixth street, between Washington and Third avenues.

" 51 (Floating engine), foot of West Thirteenth street.

" 52, Riverdale avenue, near junction of Westchester avenue.

" 54, No. 304 West Forty-seventh street. (Fuel Depot No. 5.)

Hook and Ladder Company No. 1, No. 26 Chambers street.†

" " 2, No. 126 East Fiftieth street. (Fuel Depot No. 13.)

" " 3, No. 108 East Thirteenth street.

" " 4, No. 788 Eighth avenue.

" " 5, No. 96 Charles street.

Hook and Ladder Company No.	6, No. 77 Canal street.
"	" 7, No. 217 East Twenty-eighth street.
"	" 8, No. 7 North Moore street.
"	" 9, No. 209 Elizabeth street.
"	" 10, No. 191 Fulton street.
"	" 11, No. 742 Fifth street.
"	" 12, No. 243 West Twentieth street.
"	" 13, No. 159 East Eighty-seventh street.
"	" 14, No. 120 East One Hundred and Twenty-fifth street.
"	" 15, Old Slip, between Water and Front streets.††
"	" 17, One Hundred and Forty-third street, near Third avenue.
"	" 19, Ogden avenue, between Birch and Union streets.*

Fuel Depot No.	1, No. 5 Duane street.
"	2, No. 160 East Thirty-third street.‖
"	3, No. 106 East Thirteenth street.
"	4 (see Engine Company No. 18).
"	5 (see Engine Company No. 54).
"	6, No. 84 Attorney street.
"	7, No. 28 Beaver street.†
"	8, No. 209 East One Hundred and Twenty-second street.
"	9 (see Engine Company No. 24).

Fuel Depot No. 10, No. 304 Washington street.

" 11, No. 173 Elm street (and store-house).

" 12 (see Engine Company No. 19).

" 13 (see Hook and Ladder Company No. 2).

" 14 (see Engine Company No. 22).

Store-house, No. 20 Eldridge street.

" No. 180 Clinton street.

" No. 199 Chrystie street, also occupied by second section of Hook and Ladder Company No. 9.

The locations marked thus (*) are leased by the Department; all others are city property. The locations marked thus (†) are only in part occupied by the Department. The location marked thus (††) is a temporary building erected by the Department in the roadway of Old Slip. At the locations marked thus (‖) lots in rear or adjacent are leased by the Department.

RECEIPTS AND DISBURSEMENTS OF THE RELIEF FUND, 1871-1884.

Receipts.

FROM—	1871. 7 MONTHS.	1872.	1873.	1874.	1875.	1876.	1877.
Met. Fire Department Relief Fund.....	\$7,340 07	.....	.....	.....	.....	.....	.....
Fines.....	646 51	\$621 64	\$843 31	\$734 79	\$972 51	\$567 15	\$489 46
Donations.....	.....	100 00	1,060 00	374 00	.....	100 00	.....
Penalties.....	.....	170 63	902 34	705 00	2,389 63	1,600 00	1,925 00
Oil Licenses.....	26,230 00	27,538 50	30,399 80	31,827 50	29,454 50	27,285 00	30,103 00
Fireworks Permits.....	495 00	509 00	537 00	522 75	519 25	645 50	472 25
Interest.....	275 55	1,999 86	4,258 91	9,298 22	10,410 44	11,795 22	17,210 91
Foreign Insurance Tax.....	.....	9,042 30	12,072 04	16,136 25	15,281 24	12,878 98	12,112 10
Powder Licenses.....	.....	211 00	571 50	241 50	306 50	385 50	384 50
Special Permits.....	.....	.....	.....	.....	.....	.....	.....
Chimney Fires.....	.....	245 00	440 00	375 00	355 00	245 00	260 00
Fires in Street Permits.....	.....	.....	.....	.....	.....	50	41 75
Sales—Seized Combustibles.....	.....	.....	24 25	.....	.....	.....	.....
“ Sample Oils.....	.....	.....	.....	27 06	.....	.....	.....
Totals.....	\$34,987 13	\$41,327 93	\$51,108 85	\$60,242 07	\$59,689 07	\$55,502 85	\$62,998 97

RECEIPTS AND DISBURSEMENTS OF THE RELIEF FUND, 1871-1884—(Continued).
Receipts.

From—	1878.	1879.	1880.	1881.	1882.	1883.	1884.	TOTALS.
Met. Fire Department Relief Fund.....	.....	.....	.....	.....	.....	.....	.....	\$7,340 07
Fines.....	\$568 98	\$568 03	\$1,068 89	\$868 80	\$1,304 55	\$1,966 33	\$1,703 23	12,954 18
Donations.....	100 00	.....	.....	.....	100 00	.....	100 00	1,934 00
Penalties.....	1,250 00	350 00	400 00	525 00	325 00	460 00	400 00	11,402 60
Oil Licenses.....	29,750 00	30,300 00	29,760 00	31,180 00	31,270 00	35,720 00	35,270 00	423,078 00
Fireworks Permits.....	332 75	355 00	363 50	409 25	440 75	462 75	513 50	6,578 25
Interest.....	15,493 90	18,680 49	22,140 20	22,885 58	23,468 10	20,347 85	24,764 43	203,029 66
Foreign Insurance Tax.....	16,650 02	17,582 80	.....	.....	.....	.....	.....	112,635 73
Powder Licenses.....	192 00	180 00	178 00	186 00	188 00	198 00	190 00	3,412 50
Special Permits.....	258 00	274 00	328 00	370 00	366 00	722 00	872 00	3,190 00
Chimney Fires.....	240 00	180 00	290 00	305 00	320 00	360 00	325 00	3,940 00
Fires in Street Permits.....	85 00	64 00	56 50	65 00	63 00	59 00	60 50	495 25
Sales—Seized Combustibles.....	.....	6 30	10 00	63 25	35 37	.....	6 75	145 92
“ Sample Oils.....	10 00	.....	1 35	50 00	.....	.....	.....	88 41
Totals.....	\$64,910 65	\$68,540 62	\$54,596 44	\$56,907 88	\$57,880 77	\$57,295 93	\$64,205 41	\$790,194 57

Disbursements.

For—	1871. 7 MONTHS.	1872.	1873.	1874.	1875.	1876.	1877.
Salaries.....	\$5,950 45	\$12,276 86	.....	.....	.....	.....	.....
Expense Account.....	905 97	1,460 54	\$1,223 09	\$4,569 70	\$1,292 96	\$1,745 23	\$2,106 54
Pay of relieved men.....	.....	.....	.....	.....	.....	.....	.....
Pensions of retired men.....	.....	.....	.....	.....	.....	.....	.....
Pensions of widows and orphans.....	.....	.....	1,819 50	2,625 00	2,736 68	3,344 53	4,220 09
Totals.....	\$6,856 42	\$13,737 40	\$3,042 59	\$4,194 70	\$4,029 64	\$5,089 76	\$6,326 63

For—	1878.	1879.	1880.	1881.	1882.	1883.	1884.	TOTALS.
Salaries.....	.....	.....	.....	.....	.....	.....	.....	\$18,227 31
Expense Account.....	\$2,014 49	\$1,075 23	\$18 50	\$20 00	\$38 50	\$19 25	\$56 85	13,516 85
Pay of relieved men.....	2,199 96	1,799 96	928 31	858 29	7,432 54	10,789 04	10,427 46	34,435 56
Pensions of retired men.....	6,068 40	8,073 24	12,906 19	21,211 78	23,190 01	24,018 17	44,274 59	139,742 38
Pensions of widows and orphans.....	5,800 71	6,329 94	13,339 63	15,388 16	17,561 27	20,369 40	23,133 65	116,668 56
Totals.....	\$16,083 56	\$17,278 37	\$27,192 63	\$37,478 23	\$48,222 32	\$55,195 86	\$77,862 55	\$322,590 66

Recapitulation.

Receipts, June 1, 1871, to December 31, 1884..... \$790,194 37
 Disbursements, June 1, 1871, to December 31, 1884..... 322,590 66

Balance on hand, December 31, 1884..... \$467,603 91

HENRY D. PURROY, *Treasurer.*

NEW YORK FIRE DEPARTMENT LIFE INSURANCE FUND, 1884.

Dec. 31, 1883.	Balance on hand.....		\$8,715 96
Dec. 31, 1884.	Receipts :		
	For assessments	\$12,650 00	
	For interest on deposits.....	195 59	
			12,845 59
			\$21,561 55
Dec. 31, 1884.	Disbursements :		
	To administratrix of James Gibney.....	\$1,000 00	
	To widow of Patrick Martin	1,000 00	
	" Patrick Finn	1,000 00	
	" Patrick T. Feeney	1,000 00	
	To executor of William J. Galbraith	1,000 00	
	To widow of Joshua A. Wallace	1,000 00	
	To administrator of John Mahon	1,000 00	
	To administratrix of Patrick Doyle.....	1,000 00	
	" William M. Gordon	1,000 00	
	To widow of William K. Ransom.....	1,000 00	
	To administratrix of James F. Roche.....	1,000 00	
	To widow of James Cummings.....	1,000 00	
	To administratrix of Patrick Wood ...	1,000 00	
			13,000 00
Dec. 31, 1884.	Balance.....		\$8,561 55

RECEIPTS AND DISBURSEMENTS OF THE NEW YORK FIRE
DEPARTMENT LIFE INSURANCE FUND, 1871-1884.

Receipts.

1871	\$5,040 00
1872	7,773 00
1873	8,789 00
1874	6,395 00
1875	12,508 00
1876	11,074 00
1877	8,965 00
1878	9,241 00
1879	9,293 00
1880	9,640 00
1881	10,333 47
1882	10,917 34
1883	11,747 15
1884	12,845 59

Total receipts \$134,561 55

Disbursements.

1871	\$5,000 00
1872	6,000 00
1873	9,000 00
1874	5,000 00
1875	14,000 00
1876	8,000 00
1877	8,000 00
1878	3,000 00
1879	9,000 00
1880	12,000 00
1881	10,000 00
1882	15,000 00
1883	9,000 00
1884	13,000 00

Total disbursements 126,000 00

Balance on hand \$8,561 55

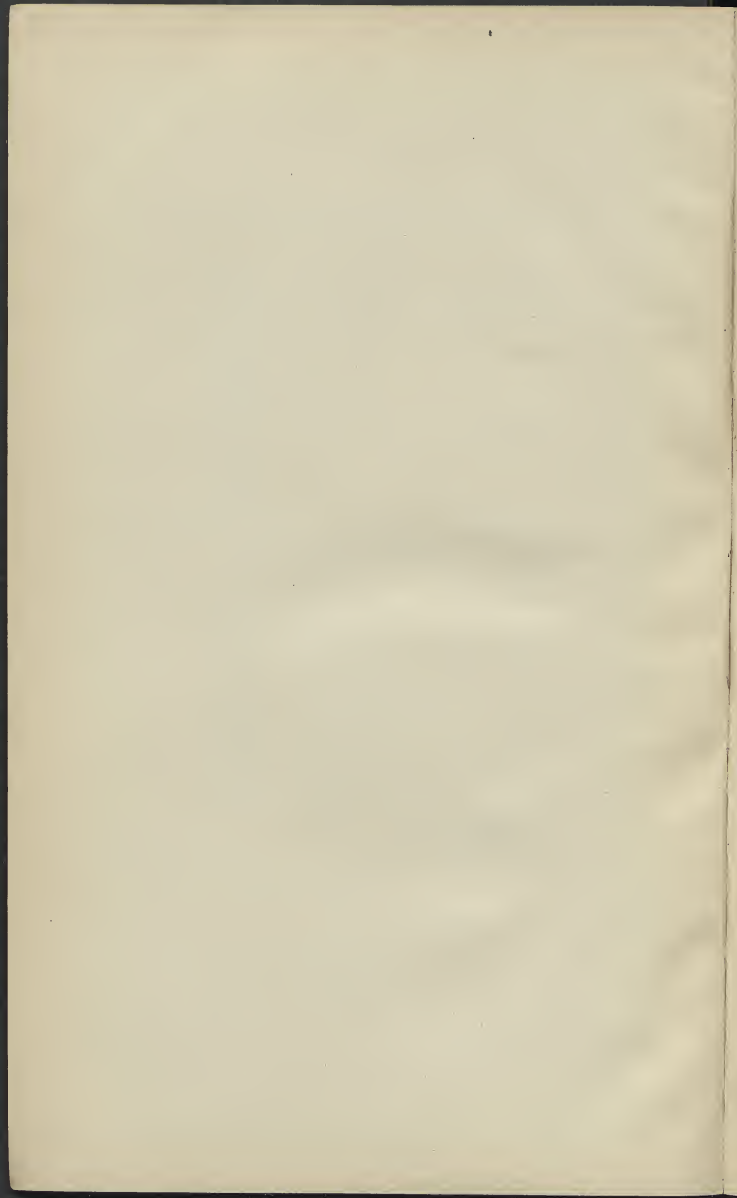
HENRY D. PURROY, *Treasurer.*

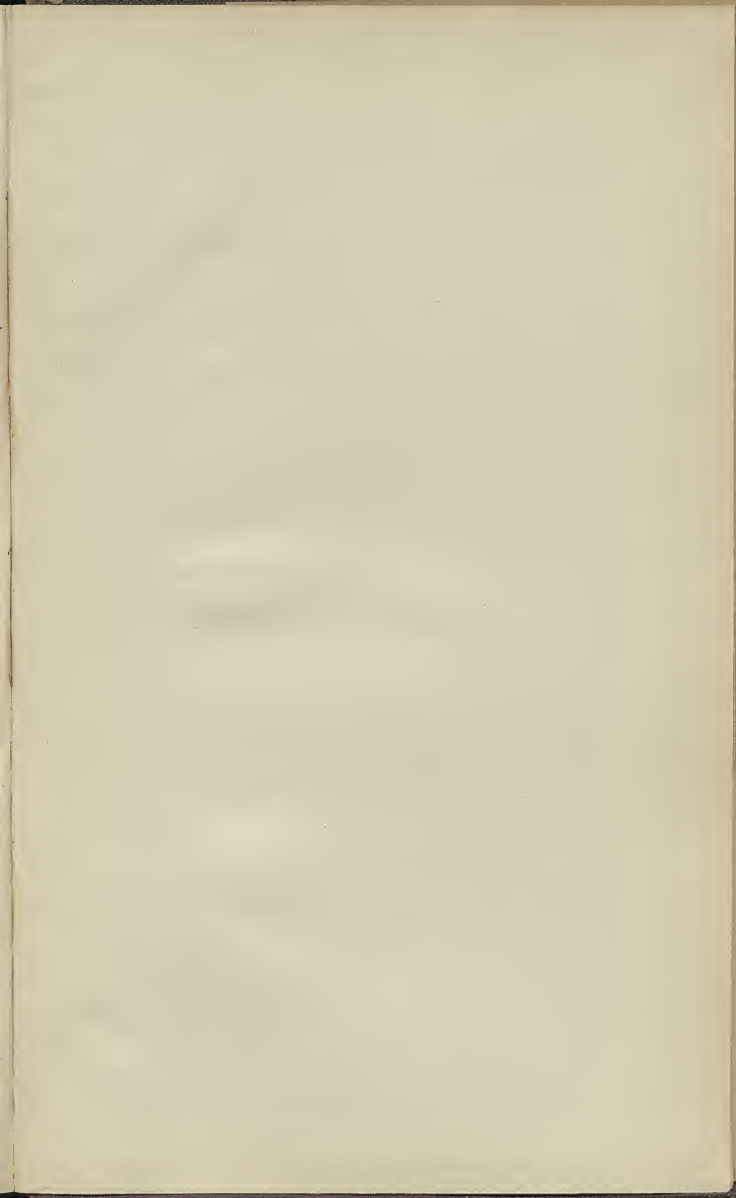
Very respectfully,

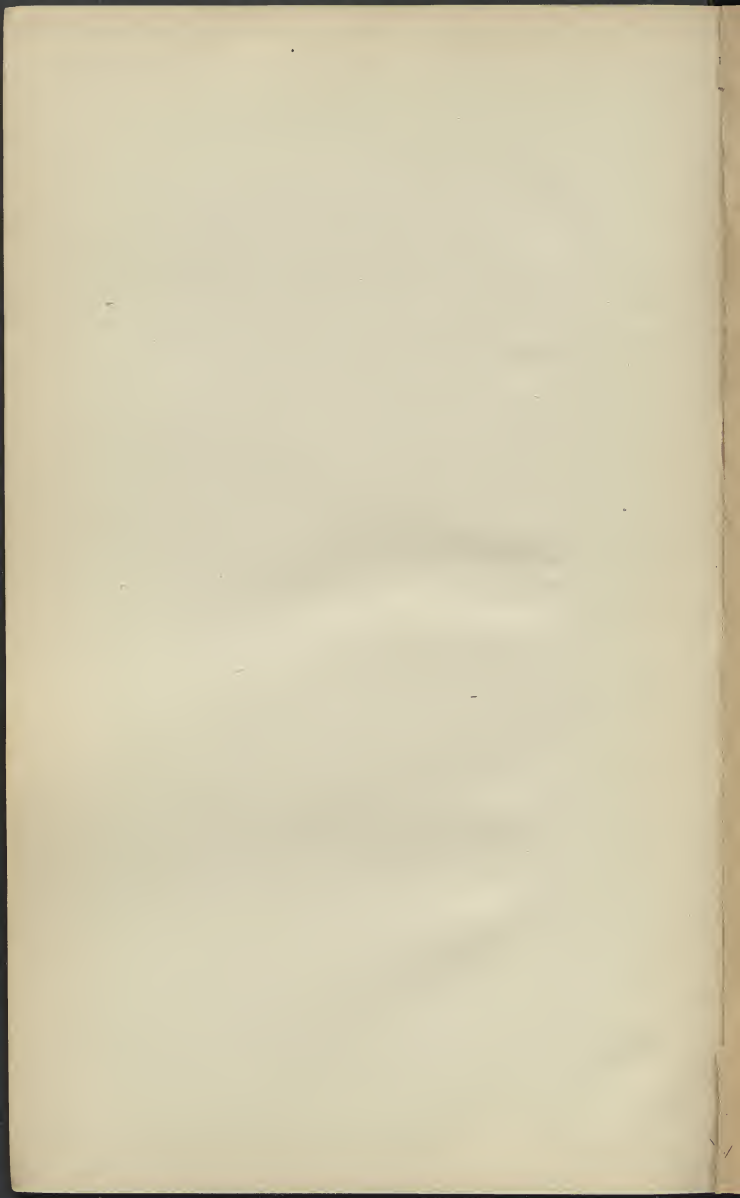
CORNELIUS VAN COTT,
HENRY D. PURROY,
RICHARD CROKER,

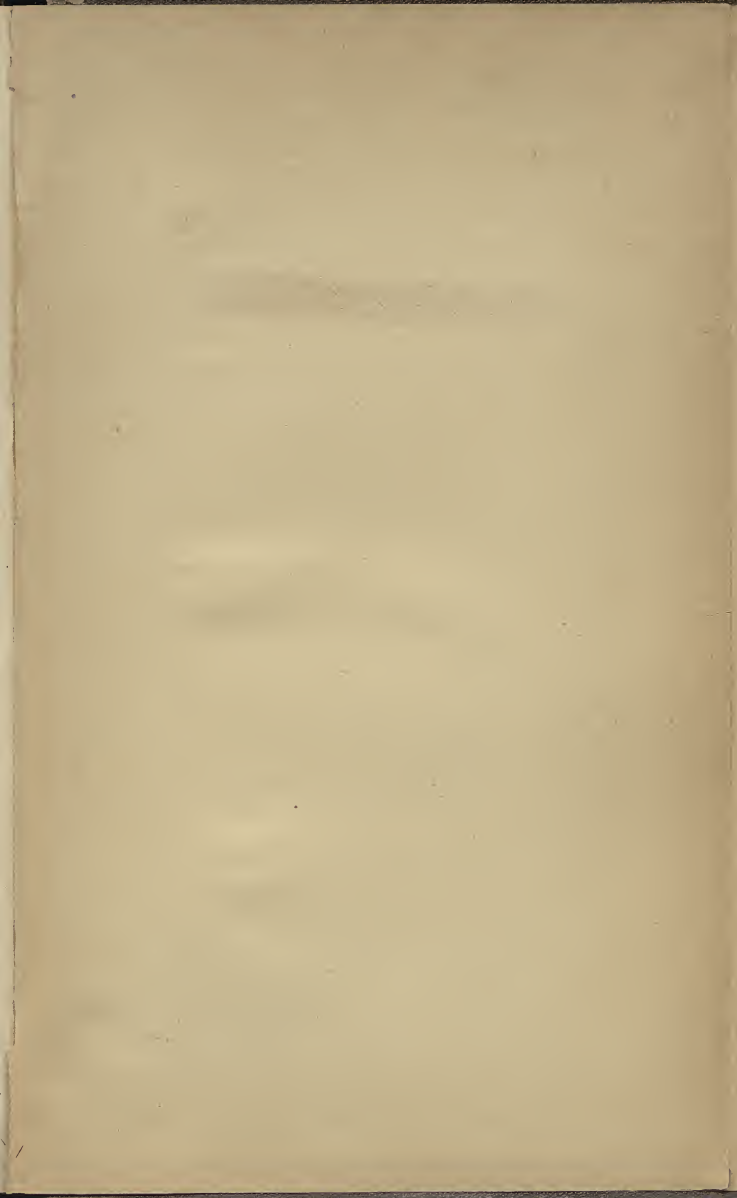
Commissioners.

CARL JUSSEN,
Secretary.









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